

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.





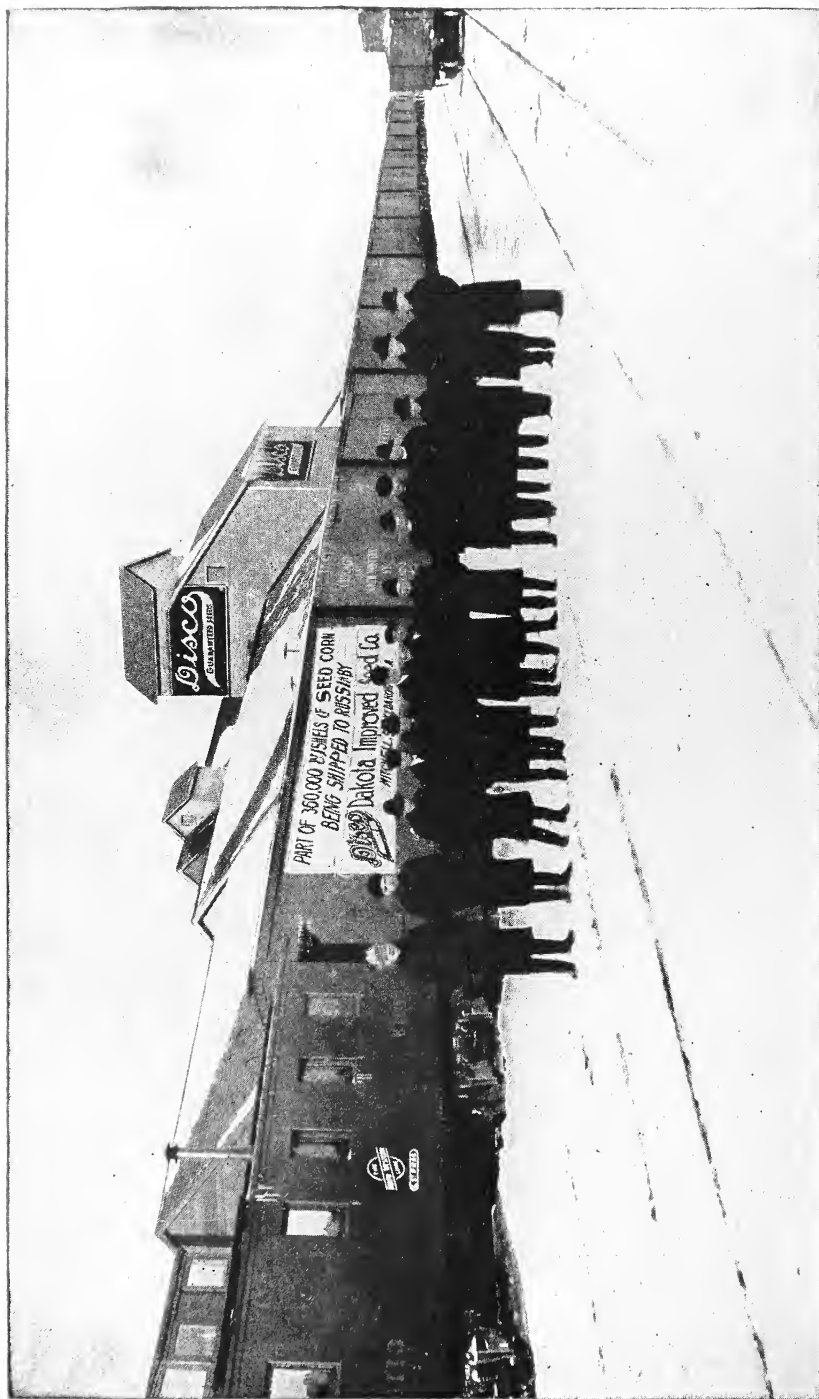
1923
Sixteenth Annual

DAKOTA IMPROVED SEED CO.

BREEDERS & GROWERS OF
PEDIGREED FARM & GARDEN SEEDS

MITCHELL, SOUTH DAKOTA

The Home of *Disco* GUARANTEED SEEDS



An interesting episode in the filling of the mammoth order for Seed Corn entrusted to the Dakota Improved Seed Company for shipment to Russia in February and March, 1922. Prominent Mitchell citizens gathered to witness the departure of a train from the company's siding.

This sign has
always stood for
the best in seeds.



Members
American Seed
Trade Association

OUR PURPOSE

To improve and perfect a standard of business integrity, which shall include purity of stocks, honesty of representation, carefulness of obligations and promptness in execution
—From the Constitution of the American Seed Trade Association.

OFFICERS OF THE COMPANY

W. S. HILL,
President.

RICHARD BURN,
Vice-President.

THOS. W. COLLEY,
Secretary.

DIRECTORS

D. E. Braught

A. E. Dean

C. W. Derr

S. E. Morris

BANK REFERENCES

Midland National, Minneapolis, Minn.

National Bank of the Republic, Chicago, Ill.

Western National, Mitchell, S. D.

CONFIDENCE

To have the complete confidence of its patrons is the most valuable thing in any business, and it is the hardest to attain. To get it one must earn it. To keep it means continue earning it. Our future development is inseparably wrapped up with the progress of our customers, combined with their faith in our ability to serve them efficiently and honestly. The following letter we believe conveys the fact that we enjoy the confidence of our customers in a very marked degree.

April 24, 1922.

The Dakota Improved Seed Co.,
Mitchell, S. D.

Gentlemen:

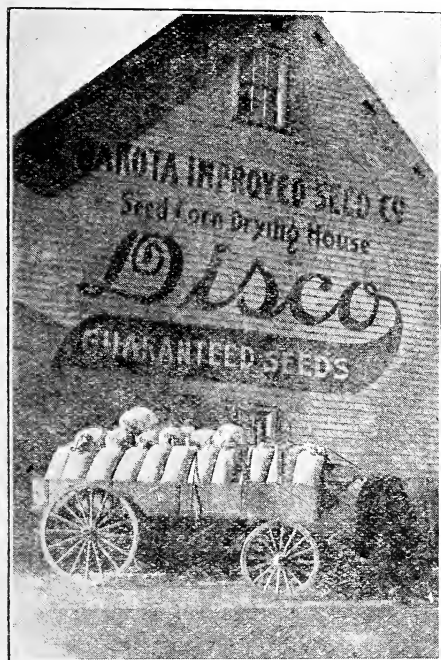
It is a pleasure to tell you that the seed which I ordered from you arrived at my farm Friday and is already in the ground. That is wonderful service and is heartily appreciated, also I am glad to know that I can get seed from you when I want something in a hurry and do not know the price. I usually wait until the last minute and want it in a terrible hurry.

Enclosed is a check for \$63.00 for the seed and I might add that it is the same fine quality that you people have always sent me. I am so sorry that I did not get my clover seed there, as I bought it here in order to have it more quickly and it came after your seed did; then, too, it is a very inferior quality of seed.

Thanks to Mr. Colley for the little personal note on the invoice and my best personal regards to Mr. Burn. I hope sometime to be able to drop in on you and meet the whole crew.

Very truly yours,

JOHN W. DALLAVO.



A large proportion of the seed we distribute is grown in our immediate vicinity. Our farmers haul the seed in their wagon to our warehouse. This cuts out all high freight charges and enables us to pay the utmost to the growers, and at the same time sell high grade seed at astonishingly low prices.

Use order sheet inserted at back of book. See alphabetical index, page 62.

Alfalfa Is Our Specialty

The **Selection, Breeding and Registration Systems** inaugurated by Professor W. A. Wheeler in connection with the **Disco Alfalfas**, is unique and without a parallel in commerce today. The main thing of course is that **they have made good**, and are **giving unbounded satisfaction** wherever they have been tried out. Not only do they **withstand winter killing**, which is such a frequent source of failure in many districts, but they have been found to withstand other adverse factors as well, such as **natural vegetation**, like Foxtail and Crab Grass, high water level, etc., which so often menace an Alfalfa crop.

We have a very carefully compiled record as to the **best types** for certain districts and conditions, and can advise you intelligently what to use. No other Seed Institution, so far as we know, has handled Alfalfa in such a manner so as to render this service to their clients.

You are not taking chances when you use the variety of **Disco Alfalfa** recommended for your particular requirements, as they have behind them **years of successful results**. You will find that they will give **more permanent fields**, will pasture more stock for a longer period of time, **will yield more cuttings per year**, and give a heavier weight of hay per acre than ordinary Alfalfa.



A Good Alfalfa Field Is the Most Profitable Crop on the Farm

Disco Alfalfas are the most economical to use, producing as they do, a stronger growing and bushier type of plant. They need **not be sown so thickly** as the ordinary Alfalfa; from one-half to two-thirds the quantity usually sown will give excellent results.

In any case price is a poor basis on which to judge Alfalfa Seed. The cost of the seed is easily the smallest item in the establishing of a profitable Alfalfa field on any farm. The value of the land itself, and the cost of preparing are the items that count, and they remain the same no matter what seed you use. Even a very superficial study of the question will reveal that the real question to determine is, "**what is the best seed to use**," the difference in actual cost of seeding per acre between the best and the poorest is at the most infinitesimal, and even only slightly improved results will more than cover the difference the first year.

An Alfalfa patch should be like a Tree, handed down from father to son. Some of the fields from which we get our seed have been continuously producing for thirty years.

Too often in the past Alfalfa has simply meant Alfalfa, no discrimination between suitable or unsuitable selections being considered.

Disco Alfalfa has become a **household word** with successful Alfalfa growers **everywhere**.

When you buy **Disco Alfalfa** you are **buying the best**. The best is always the **cheapest in the end**.

Alfalfa the Nonpareil of Fodder Plants

Alfalfa Is One of Nature's Choicest Gifts to Man

Disco-Baltic

This variety of the Grimm type of Alfalfa was selected many years ago by Mr. Wheeler, and being found growing near a village named Baltic, he felt that it was fitting that the variety be given this name. In describing this new type, the writer of Bulletin No. 757, U. S. Department of Agriculture, says: "While the Baltic differs slightly from the Grimm, in some minor details, the two are so similar that it is seldom possible to distinguish one from the other. This variety is recommended for sections where the ordinary strains suffer considerable loss through winter-killing."

We, as already stated, are the promoters of Baltic Alfalfa, and it goes without saying, therefore, that to be absolutely sure of getting the right type, it is desirable that you place your order with us. If you do, you are certainly circumventing any possibility of disappointment and are in the most practical way insuring success.

Baltic Alfalfa

has fulfilled every claim we have made for it and has more than justified all we have said regarding it.

Disco No. 11-C

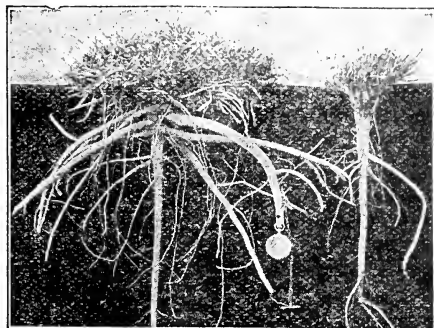
has been proven by experience to be the hardiest of the hardy. Excellent yields and perfect stands have been obtained when no other variety could previously be grown for any length of time. Its drought resistance is phenomenal; recovers remarkably quick after cutting; yields an abundance of leafy hay and is also a good seed cropper. Supply limited.

Disco Grimm

We need not elaborate upon the history of Grimm Alfalfa, it has been so often referred to that it is known almost everywhere where Alfalfa is spoken of. Suffice it to say that our stock has been grown under the most exacting conditions, so that its hardiness and its well known resistance to winter-killing have not only been maintained, but by constant selection have been very much improved.

Disco No. 19-A

from the Grimm type, excels its parent plant in a remarkable manner. Was selected from a large number of trials in our Alfalfa Nursery. The plants showed characteristics which distinguished them from all others. These plants were isolated and the seed carefully saved. It has been grown year after year producing an abundant seed crop, enabling us to distribute the produce over a very extended territory and we have very gratifying reports as to its success.



Representative plants of the Hardy and Non-Hardy type of crowns of four-year-old alfalfa taken from the same nursery, grown as single plants under the same conditions. The plant on the right, the common Southern type; the plant on the left, a fair sample of Baltic alfalfa, a variety found growing near the little town of Baltic, So. Dakota. (Bul. 181, Col. Ag. Exp. Sta.)

Greater Profits from Registered Alfalfa

Disco Registered Alfalfa

The "DISCO Registration System" enables us to trace each individual strain of Alfalfa to a definite single origin, and if in your initial experimenting you try several different types and find that one particular type seems to suit your requirements infinitely better than others, you have only to advise us of the particular type this was and we can supply you with seed saved from exactly the same plants. We believe that this system, which we have adopted, places us in a unique position to satisfy.

The following registered seeds are offered for this season, with brief descriptions of each stock:

Disco No. 26—Believed to be of Turkestan origin; has been grown in the northern half of Meade and southern half of Perkins Counties, South Dakota, for the past sixteen years. This has proved to be a very popular strain.

Disco No. 28—This, in our opinion, heads the list of registered stocks; has been grown in southern Meade and Pennington Counties, South Dakota, for over thirty years, under the most adverse conditions and has persisted year after year and withstood the severe cold and drought. We find that those who have once used **Disco 28**, seem to get the habit of "wanting no other," and, as the stock is somewhat limited, to avoid disappointment, we strongly urge the desirability of ordering early.

Disco No. 38—This strain runs **Disco 28** very closely in popularity. It has been grown in western Meade and southern Butte Counties for

over twenty-five years. Large quantities of this seed are distributed by us every year in Oregon and other western states, where it gives extraordinary good satisfaction in the drier areas without irrigation. The seed stock is an excellent quality.

Disco No. 79—A native of the Black Hills region, having a continuous record of over twenty years; very popular; produces a heavy crop of hay and is also a great producer of seed.

Disco No. 80—Grown in Jones and Lyman Counties, South Dakota. In this type the drought and cold resistant characteristics have been developed to a marked degree. We can recommend this strain with perfect confidence.

Dakota 12—A native of the Black Hills district, which has given excellent results to many of our customers.

For Special Prices see colored sheet following page 20

Disco Alfalfa Trials

The Dakota Improved Seed Company believes fully in the handling of alfalfa seed on its "performance record" or "making good." Nothing ever permanently succeeds that hasn't back of it a foundation of real merit. As soon as this company was formed the policy was adopted of backing up the Agricultural Experiment Stations in their work with farm crops.

With Disco Alfalfas the situation was somewhat different than with some of the other crops. Improved strains of alfalfa were being developed and introduced by the Dakota Improved Seed Company, so the plan was adopted of furnishing samples of Disco Registered Alfalfas sufficient for trial, gratis to all the state experiment stations and county demonstration farms and farm bureaus.

Comparative Yield of Alfalfa Varieties at Newell, S. D.

Variety	Seed-Pounds Per Acre (1)			Total	Hay-Pounds Per Acre (2)			Total Hay-Tons Per Acre
	1914	1915	1916		1914	1915	1916	
Common, Kansas.....	142	18	78	238	782	5850	2395	4.5
Turkestan.....		15	90	105		5830	2535	4.2
Canadian, Variegated.....	166	60	80	306	900	6670	2490	5.0
Grimm.....	167	98	88	353	894	6570	2585	5.0
Cossack.....	110	45	70	225	795	7030	2650	5.2
Baltic.....	186	102	142	430	994	7550	2880	5.7

(1) Yield of 1 plat of each variety each year. (2) Average yield of 3 plats of each variety each year.

Comparative Yield of Alfalfa Varieties at Brandon, Man., Canada

Variety	First Cutting		Second Cutting				Total Yield of Hay per Acre	
	Date	Yield per Acre	Date	Yield per Acre			Tons	Lbs.
				Tons	Lbs.			
Baltic.....	June 28, 1917	2 40	July 28, 1917	.....	1580	2	1620	
Cossack.....	June 28, 1917	1 1840	July 28, 1917	.....	1680	2	1520	
Turkestan.....	June 28, 1917	2 160	July 28, 1917	.....	1340	2	1500	
Grimm.....	June 28, 1917	1 1440	July 28, 1917	.....	1820	2	1260	
Liscomb.....	June 28, 1917	1 1200	July 28, 1917	.....	1440	2	640	
Montana.....	June 28, 1917	1 1120	July 28, 1917	.....	1200	2	320	

Alfalfa Variety Work at Delta Station—1916, 1917, 1918

1-7 Acre Plots (3 Series). Table No. 11

VARIETY	Yield in Pounds, Hay Per Plot (Field-Cured)			AVERAGE		Increase Over Poorest Yield
	1916	1917	1918	Per Plot	Per Acre	
Common.....	915	1276	1095	1129	7903	.....
Grimm No. 240.....	1244	1310	1277	1277	8939	1036
Disco No. 19A.....	1330	1316	1323	1323	9261	1336
Baltic No. 204.....	1087	1480	1028	1198	8386	483
Disco No. 32C.....	1239	1550	1392	1394	9758	1855
Disco No. 28.....	1187	1726	1456	1456	10192	2289
Disco No. 79.....	1114	1520	1317	1317	9219	1316
Disco No. 39.....	1233	1520	1406	1386	9702	1799
Disco No. 37.....	1222	1494	1408	1375	8625	1722
Turkestan.....	1015	1414	1213	1214	8498	595
Cossack.....	1056	1240	1148	1143	8036	133
Common S. D. No. 12.....	1208	1560	1434	1401	9807	1904
Common U. S. D. A.....	1149	1306	1227	1227	8587	684

Cossack Alfalfa

We believe Cossack is a hardy variety, and suited to Northern sections, not any hardier than Baltic or Grimm, but there might be districts where it would excel. We consistently refused to recommend it to our customers while it was being sold at what we considered exorbitant prices, but now that growers are finding their seed harder to dispose of and seed also becoming more plentiful, and consequently more moderate in price, we have provided ourselves with some excellent seed, guaranteed to be the true variety and we recommend a trial.

For special prices see colored sheet following page 20

ALFALFA The value of an alfalfa crop is not appreciated until you have it growing on your own farm.

UNBIASED TESTIMONY FROM CUSTOMERS AND OTHERS

Testimony from New York State

I have used your Alfalfa seed which I purchased through the Essex County Farm Bureau with very good results and want only the best seed.

From Minnesota

Am in the market for two bushels Disco Grimm Alfalfa Seed. Having success with that supplied by you about two years ago, am desirous of securing similar seed.

From Missouri

Please send me C. O. D. 40 pounds of your Disco 11C Registered Alfalfa Seed. We have 8 acres growing and have a wonderful looking crop. We sowed five acres last Spring and cut it two times and should have cut it the third time but felt a little bit afraid to leave the roots bare for the Winter. We sowed the other 3 acres last fall and it looks fine. We are going to sow this 3 acres this Spring and several acres in the Fall again. This is fine bottom land and we expect a big yield. If you have any literature giving instructions for the care of it I would like to have it.

From Michigan

Dear Sirs—I received the 8 bu. of Disco 28 alfalfa seed yesterday which I asked you to have traced up and wish to thank you for your promptness. Two bu. of the seed I ordered are for neighbors who have seen the alfalfa grow from the seed I ordered of you the last two years and persuaded them to try a bu. each. Also another neighbor has ordered 150 pounds of the seed of you, and another neighbor wanted 2 bu. when I ordered but did not get around until I had ordered mine. I seeded 5 acres to Disco No. 28 year before last, and 7 acres last year, and will say I have the best fields of alfalfa in this part and give credit to your seed for my success as I have got seed from several different seed houses, also some of our home grown seed, but have failed to find any as hardy as yours.

Extract from letter received from Ralph E. Johnston, Extension Agronomist, Brookings, South Dakota.

I have sufficient facts, and the Dakota Improved Seed Co., has a good enough name for honesty and square dealing, to make the source of the seed you sell sufficient evidence that the seed you sell is as you represent it to be. In other words, with me, if you state that you are selling GRIMM seed, then to me that is GRIMM seed.

We have hundreds of similar testimonials on our files, but space forbids quoting more than the above.

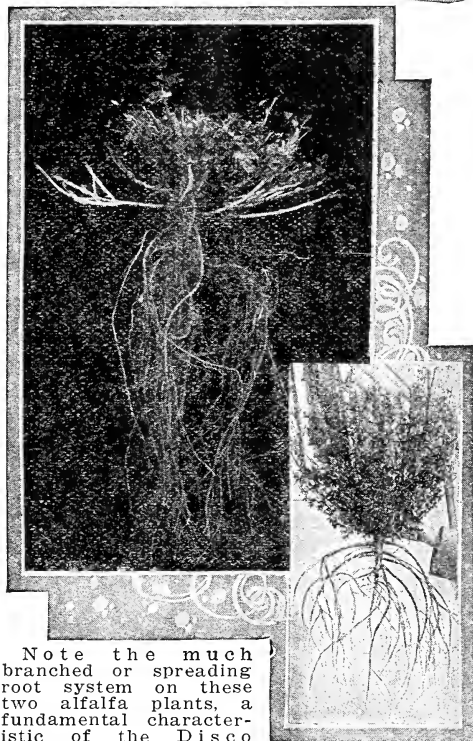
Dakota Grown Common Alfalfa

For the sake of our customers who do not care to pay the price of either Registered or Pedigreed Seed, we always carry a choice stock of the common variety produced on selected fields in South Dakota, of undoubted hardness.

Our splendid location, right in the heart of the very best growing district and our

For special prices see colored sheet following page 20

Our Three Famous Brands

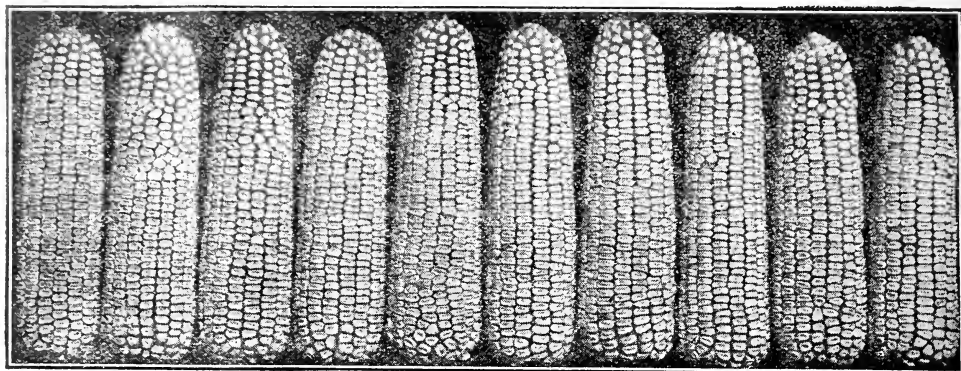


Note the much branched or spreading root system on these two alfalfa plants, a fundamental characteristic of the Disco Alfalfas.

constant close touch with growing crops, places us in a unique position to select the very finest stocks that the country produces. These stocks are brought direct from the farms where they have been grown, to our own up-to-date Cleaning Plant, and from there distributed by us all over the continent. This enables us not only to give the very finest possible seed, but we are also in a position to supply choice seed at a remarkably low price.

Disco Pedigreed Seed Corn

Dakota Grown, Early, Hardy, Well Matured



Riverview Special Yellow Dent

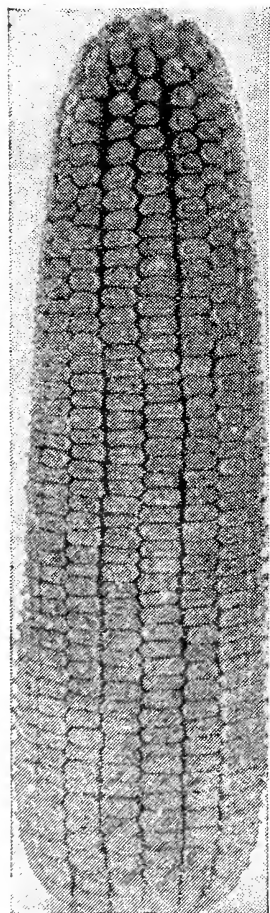
Located as we are in the best Seed Corn growing district in South Dakota with our own spacious and up-to-date drying racks and bins and latest type of shelling and grading machinery. Giving personal attention to our growing stocks we are ideally situated to give Seed Corn service. Our stocks being grown under vigorous climatic conditions, yet rarely being affected by frost, enables us to offer varieties of Seed Corn well adapted to South Dakota, North Dakota, Montana, Minnesota, Northern Nebraska, Northern Iowa, Northern Illinois, Wyoming, Wisconsin, Michigan, the North Eastern States and Canada. Like all our seeds, Corn is sold on our absolute money back guarantee.

Get a copy of our Booklet, "Corn Culture in the Northwest." 10c. Free with orders on request.

Riverview Special—Yellow Dent. The very best 90-day yellow dent at present on the market. Year by year it enhances its popularity and the number of its users is extended so that it is grown with marked success and satisfaction all over the Northwest. It was developed by us more particularly because of its hardy nature, while at the same time, it gives a good ear with a very high-shelling percentage. The ears will average eight and one-half inches in length, with a girth of seven inches, with from sixteen to eighteen rows well carried out at butt and tip. The color is a rich yellow and the grain is unusually deep, of smooth, handsome appearance. The ears are well formed, uniform size and of moderately strong shank. It has a very leafy growth and attains a height of from seven and one-half to eight feet, and usually yields from forty to sixty bushels per acre. Riverview Special is also well adapted for drilling in for use for ensilage or fodder. We strongly recommend this.

Minnesota 13—Yellow Dent. We aim to retain the earliness of the original type by regularly obtaining our seed for our own planting directly from the Minnesota Experiment Station. This enables us to offer high class seed. Our stock of Minnesota 13 is unusually good this season, and we recommend it with confidence.

Our policy has always been conservative in regard to the variety of Corn to plant. We believe it is wiser to stick to a pedigreed stock of a variety that you can depend upon to ripen and "make corn" rather than take a long chance on some later ripening heavier yielding sort and be caught. We recognize that there are some years that you "get by," but if the average of a period of years is taken we are convinced that by following our advice you will be ahead.



Minnesota 13

For special prices see colored sheet following page 20

Disco Pedigreed Seed Corn



DISCO Early Murdock—Yellow Dent. The kernel is deep. One of the earliest of the deepkerneled types, well fixed and is rapidly leaping into popular favor. Will grow to a height of from six to eight feet, has a stiff stalk which stands up well. Ears are borne well up on the stalk so that they are easily husked.

DISCO Pride—Yellow Dent. A very early variety of corn. Especially well adapted to the northern part of South Dakota, North Dakota, Montana and Manitoba, Canada. The strong features of **DISCO Pride** are earliness, deep kernel, small cob and its ability to resist dry weather.

Our stock of seed was grown in Hanson County, South Dakota, and is very good quality.

Pride of the North—85-Day Yellow Dent. Bright red cob, ears medium size with deep kernel. Many of the stalks have two good ears. We introduced this variety for the first time two years ago. Our customers who used it are well pleased with the results. Well adapted for North Dakota and northern Minnesota.

Wimples Yellow Dent. This variety is very popular in many districts where it seems to excel all others and we recommend it for trial where other varieties already tried have not been entirely satisfactory. It belongs to the early type of yellow dent, especially adapted for the northwest. The size of the ear is surprising, averaging from nine to nine and one-half inches in length and from six to six and one-half inches in girth containing from sixteen to eighteen rows. One of the best short season varieties on the market.

Reid's Yellow Dent. The origin of this variety dates away back to 1846, and like many other important discoveries, or crosses in plant life, which have become permanent factors, it was purely accidental. Robert Reid, after whom the corn was

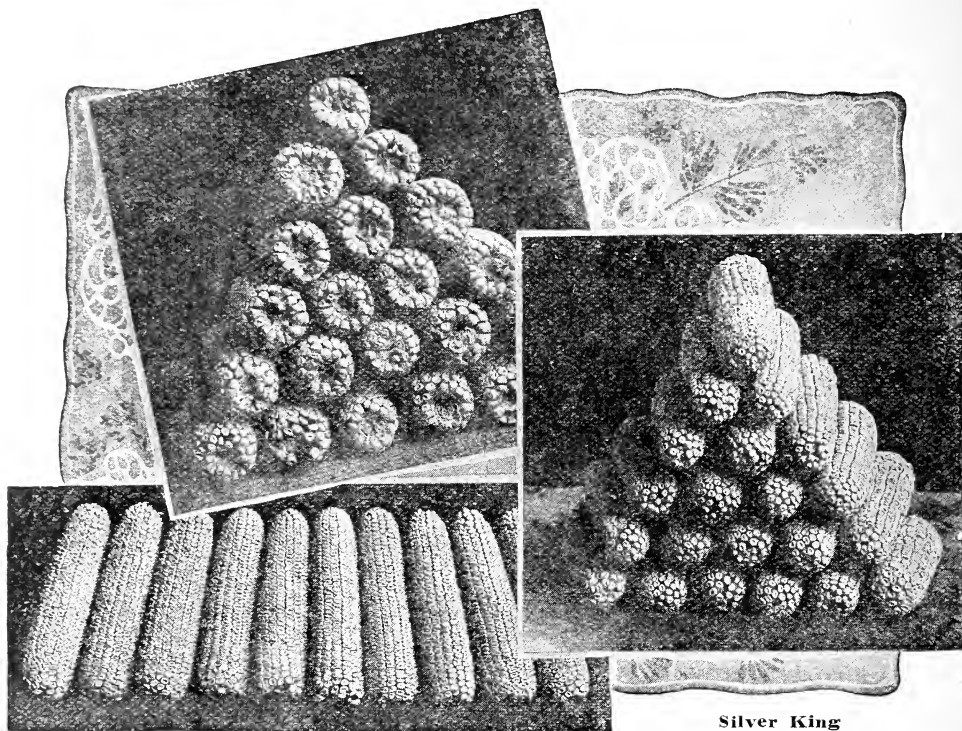
named, had been growing a variety known as Gordon Hopkins, which he had brought from Ohio to Illinois. He had a very poor stand and replanted the missing hills with a local grown small yellow variety. The cross thus obtained was the beginning of the Reid's Yellow Dent we know today.

The normal ears of this variety are from 10 to 10½ inches long and 7¼ inches in circumference. They are cylindrical or partly so in shape, often tapering off at the tip. The rows are straight, sometimes paired, the most closely spaced of any variety and from 18 to 24 in number. The butts are deeply rounded and symmetrical and the shank small. The tips are generally well covered, though often rather abruptly pointed. The cob is rather small and dark red in color. Our stock was grown in Davison County, acclimated and will mature in about 105 to 110 days.

Leaming Yellow Dent. This variety was originated in 1856 by J. S. Leaming in Clinton County, Ohio. By continuous selection he fixed the type which we find today grown extensively all over the corn belt. The distinguishing characteristics of this variety are its very tapering ear, with somewhat irregular rows of grain of a deep yellow color. The average length of ears is 8½ to 10 inches, circumference 7 to 7½ inches with 16 to 22 rows, and medium space between the rows. The butts are large with large shank, making it somewhat hard to break the ear off; tips are irregular, pointed and well covered with thick grains. Cobs are large, tapering and red in color, grain is deep yellow color 3/16 inch deep, dimple dented. The originator sought to develop tapering ears, believing in this way he would be able to best combine heavy yield and earliness. The stock we offer has been grown by us in Davison County, is thoroughly acclimated and will mature in about 100 days. The stalk is of medium height, the ears are not borne too high and when ripe hang downwards.

For special prices see colored sheet following page 20

Disco Pedigreed Seed Corn



Disco 90-Day White Dent

Silver King

DISCO 90-Day White—Rapidly becoming the most popular white variety on the market, is unusually early ripening, and a heavy yielder. Admirably adapted to northern sections of the country. The stalks grow to an average height of about eight feet and ears shoot out about three and one-half feet from the ground. We believe this to be the very best white dent on the market and aside from its value for production of corn it is especially valuable for silage purposes.

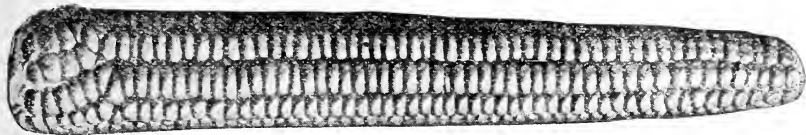
Silver King—A very early white dent corn maturing a few days later than our 90-Day White, but produces a larger ear and deeper kernel. Recommended for southern South Dakota, southern Minnesota, Michigan, Wisconsin and the Eastern States. Produces 12 rows of deep grained kernels. Ears well filled, medium size, about 8 or 9 inches long. Does well in either wet or dry weather.

Northwestern Red Dent—Has now been on the market for 26 years and is still gaining in popularity. For the Northwestern States and Canada, we believe it is unequalled. Is really a hybrid type, being a cross between an early yellow dent and a flint variety. Many instances are on record where this corn has matured in eighty days, but even where it is grown for the silo it will mature corn sufficient to greatly increase its value for silage purpose. Usually grows to a height of from six to seven feet. The ears are well formed, averaging eight inches in length with fourteen rows of kernels. Particularly well adapted for hogging-off and if Rape is sown between rows at the last cultivation it gives splendid returns.

For Special Prices see colored sheet following page 20

Disco Pedigreed Seed Corn

Flint Varieties The Flint type of corn is very popular in the Northern States and Canada, or in fact anywhere where earliness is demanded or where the crop is to be used for ensilage or fodder. The varieties we offer are early, hardy types.



Longfellow Yellow Flint

Longfellow Yellow Flint (75-day Corn)—Particularly well adapted for Northern planting. Eight rowed ears, 10 to 15 inches long, $1\frac{1}{2}$ inches in diameter, small cob, large kernel and very broad. Very popular for the silo in Northern sections.

DISCO White Flint—Pearly white, the ears have eight to ten rows and are eight to twelve inches long. Stalk grows four to six feet high. Ears borne from eight to twenty inches from the ground. A useful variety for hogging.

Gehu Flint—The earliest variety of Flint Corn. Ears small and are borne low down on the stalk. The color of the kernel is a light yellow. Will mature anywhere where corn can be ripened.

DISCO Squaw or Rainbow Corn—An unusually early variety, the kernels being all colors of the rainbow. Very popular for late planting. Ears are much larger than Gehu, some over 12 inches long, and it is a corn of good quality and yields well.

King Philip Flint—Extra early red flint. We have had a stock of this excellent variety grown in South Dakota and the result is an unusually early and hardy type. We recommend this selection very highly, believing it will prove to be one of the best; produces an unusually large ear.

Disco Fodder Corn

DISCO Early Yellow Dent Fodder Corn—When sown thickly in drills at the rate of from one to one and one-half bushels per acre, this variety will give a surprisingly large amount of palatable feed, much relished by all stock. May be run through an ensilage cutter or be fed in the rack.

DISCO Medium Fodder Corn—A medium early maturing type.

Evergreen Sweet Fodder Corn—This variety grows a leafy stalk, six to seven feet in height, forms good-sized ears and yields a large amount of succulent fodder to the acre.

Ten Reasons Why Hogging-Off Corn is Profitable:

1. Labor is saved. Ten to fifteen cents per bushel is taken off the cost of production.

2. Early maturity of the pig crop results, with the corresponding top price for choice lights before the Fall drop. This often means one to three dollars per hundred on pigs.

3. Feed yard fertility is automatically returned to the land.

4. Pigs are kept healthy and vigorous, due to the exercise.

5. Gains are most rapidly and economically made. A pig "wants what he wants when he wants it," and should have it to get best results.

6. The green feed the pigs get in the corn field supplies sufficient protein feed to balance the ration.

7. Rape can be sown in hogging-off corn and thus double the production of feed on an acre. The ration will also be better balanced and a late fall pasture provided.

8. Fall crops can be put in on hogged-off corn ground, either fall plowed or disced.

9. Brood sows running over the hogged-off area during the winter usually get enough feed to keep them going, and the exercise produces bigger, stronger pigs in the spring.

10. An early variety of hogging-off corn should be ready to turn the pigs into by Aug. 20. Those shots will go to market by the last of September and leave room in the hog barns and yards for a larger crop of fall pigs. This means a double turn-over in the hog crop every year.

For special prices see colored sheet following page 20

Disco Guaranteed Clovers

Highest Grade, Thoroughly Recleaned

Sweet Clovers

HUBAM

The price of seed, as we predicted a year ago, is this year very much lower, in fact not much dearer than other clovers. Now is the time to get in on this. Where the biennial variety does not exactly fit in with your crop rotation, Hubam will. It is invaluable as a fertilizer, adding both humus and nitrogen to the soil. A wonderful producer of hay and pasture. When seeded with small grains like oats, wheat or rye Hubam will make a heavy growth to plow under in the fall. With reasonably favorable weather after the grain is cut it will make a growth of from 2½ to 3 feet and will produce six times as much for plowing under as would be produced by Red Clover.

Prof. W. H. Stevenson, of Iowa State College, writes as follows in regard to Hubam: "This clover is without doubt one of the most important contributions in a decade. It seems likely to revolutionize the rotation system now used in the corn belt. The problem of getting organic matter and nitrogen back into the soil cheaply is one of the most serious with which we have to contend. The new annual clover promises to fill a long felt want."

As a Bee pasture, Hubam is invaluable, a Bee expert, speaking to the members of Mitchell Kiwanis Club recently, made the statement that the Bee if given proper attention in South Dakota could easily pay the taxes. The earliness which the plant begins to bloom after seeding, combined with the long season which it will remain in bloom, has caused Beekeepers to be very enthusiastic about it. It is also claimed that Hubam produces more nectar than any other clover known and gives a flow of honey of the very finest flavor and quality.

Biennial White Blossom (*Melilotus alba*)

Until a few years ago this clover was not looked upon with any great degree of favor. Here and there, there were those who had tested its value and persistently advocated its usefulness. Today the value of the plant is freely acknowledged by all progressive farmers. We cannot too highly emphasize its importance both for pasture and for hay, while as a soil builder and renovator it has no equal. We feel that it is desirable to lay emphasis on the fact that as a preparation for Alfalfa it is second to none. That is to say, where Alfalfa has been found difficult to grow the experience has been that by growing Sweet Clover for, say a couple of years, the land becomes inoculated with nitrogen-gathering bacteria and it is usually then found that Alfalfa can be grown without difficulty.

White Blossom Sweet Clover is a biennial, lasts but two years unless the seed crop at the end of the second year is allowed to form and scatter. This adapts Sweet Clover very nicely into a crop rotation and also insures its easy elimination if it is desired to discontinue growing. The stock of seed we offer is of excellent quality, carefully re-cleaned over our high-grade machinery, scarified by our own scarifying machine, of high vitality and we believe we are offering the best value on the market.

Biennial Yellow Blossom (*Melilotus officinalis*)

Belongs to the same type as the White Blossom, excepting that the flowers are Yellow.

It is claimed that it yields earlier and produces a finer quality of hay. It will not produce as heavy a tonnage as the White, as it is shorter in growth, but for early use it is superior to the White.

Various Clovers

Medium Red Clover—Regarded as the most valuable of the Clover family; a dependable all-round variety. Not only does it produce a heavy weight per acre, but richness of the roots in nitrogen gathering bacteria means added fertility to the soil.

Mammoth Red Clover—Coarser and stronger growing than Medium Red. Well adapted for hay, if cut early, but is mostly used as a pasture and for fertilizing.

Alsike or Swedish Clover—Produces the finest quality of clover hay; unusually hardy, and well adapted for pasture. Thrives best on low and moist lands and is particularly well adapted for mixing with Timothy, as it will grow under similar conditions and can be cured well if grown in this manner.

White or Dutch Clover—A dwarf, close growing variety, in demand for lawns.

For special prices see colored sheet following page 20

FARMOGERM

Legume Inoculation
HUMOGERM

Inoculating Cultures

That Increase Crop Pro-
duction and Greatly
Improve the Soil

Crop and soil experts agree that for best growth, and to put atmospheric nitrogen in the soil, it will pay all farmers to inoculate all legumes, even where they are at present successfully grown. The cost is trivial when compared with the profit it will bring you. Legumes are clovers, peas, and beans, alfalfa, soy beans, vetches and other plants that grow their seeds in a pod. Their roots are the home of bacteria that draw fertility-building nitrogen from the air and store it in swellings on the roots, called nodules. These nodules not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future crops of corn, wheat, cotton, oats, fruits, etc.

Sometimes there is no appreciable difference to the eye between uninoculated and inoculated legume crops, yet the one not inoculated is using for its own growth the available nitrogen in the soil, while the inoculated crop makes satisfactory growth and is in addition storing large quantities of nitrogen in the ground for future soil fertility.

Cultures As You Want Them

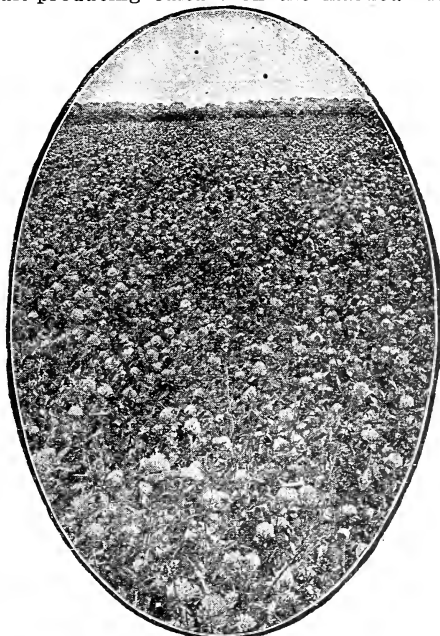
Inoculating bacteria may be carried in two ways—on jelly media or on soil media, and we offer what we consider the best of each kind. FARMOGERM has long been recognized as the most virile and biggest result-producing culture on the market. It is in bottles, nitrogen-free jelly media, patented ventilating stopper, guaranteeing it to be fresh, on the acre basis. HUMOGERM contains the high-bred FARMOGERM bacteria carried in a specially prepared humus soil media. It is sold in cans on bushel basis. Both are easy to apply; directions on each package; either will give thorough inoculation.

Specify the kind of seed you wish to inoculate. Order Farmogerm by the acre; Humogerm by the bushel of seed to be planted—and if planting more than one bushel to the acre, the 1 bushel size contains sufficient inoculation for the amount of seed planted on one acre.

PRICES (Postpaid)

FARMOGERM,—Acre Basis — 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00; Garden size, for peas, beans and sweet peas, 50c.

HUMOGERM — Bushel Basis — $\frac{1}{4}$ -bushel size, 35c; $\frac{1}{2}$ -bushel size, 60c; 1-bushel size, \$1.00; $2\frac{1}{2}$ -bushel size, \$2.25; Garden size, for peas, beans and sweet peas, 25c.



Inoculated Clover

Disco MILLETS

Millets today are occupying a much more important place in farm economy than ever. They constitute one of the best "catch crops" we have. Can be sown later than almost anything else and will give very fair returns under the most adverse conditions. We strongly recommend every farmer to include a quantity of Millet with his order, so as to have some of the seed on hand in case an opportunity offers where it can be used profitably.

Common Millet—True Southern grown. Grows an exceptionally sweet and palatable hay. Will thrive on almost any soil; attains a height of from four to five feet and is unusually drought resistant, producing a fair crop on even poor soils.

Dakota Kursk Millet—This variety is a native of Russia and has been grown here for over twenty years. Experiments conducted at the Experimental Stations in South Dakota have demonstrated beyond dispute the value of this variety. As a hay and seed producer it is without equal and in dry seasons it seems it will outyield any other variety. We confidently recommend our Dakota Kursk, believing that it will be entirely satisfactory.

Siberian Millet—A very fine variety of millet, also hailing from Russia. Unusually early, extremely hardy and withstands drought. The plant shows a remarkable stooling habit, as many as thirty

to forty stalks being frequently grown from one seed.

Golden, Liberty or German Millet—(True Southern Grown Seed.) Under favorable conditions the Golden Millet will undoubtedly produce the heaviest yield of hay per acre. It grows very densely and is an excellent cleaning crop.

Hog, Proso or Broom Corn Millet—Can be used for hay or as a cleaning crop just the same as other millets. It, however, yields an unusually heavy crop of seed—from sixty to seventy bushels to the acre, and experiments at our Experimental Stations have shown that it is an excellent substitute for Wheat. The seed will mature and be ready for cutting as a rule two months after date of seeding.

Early Fortune Millet—Of the same type as Hog or Broom Corn, with the exception that the color of the seed is red, whereas the Hog is white. It is a good yielder, the seed being very valuable for either poultry or hog feed and it also yields a heavy weight of fodder.

Japanese Millet—This is entirely distinct from other varieties of millet, both in habit of growth and character of seed. On account of its great value, it has sometimes been called "Billion-Dollar Grass." Will grow from six to nine feet high, stands up remarkably well and yields enormous crops.

Fodder and Sorghum Canes

Canes Early Amber Fodder Canes—

This is the earliest of all Fodder Canes and is best adapted to the Northwest, where it succeeds unusually well. Should be sown at the rate of from 40 to 60 pounds per acre.

Dakota Amber Sorghum Canes—The earliest, richest and best Sorghum Canes for the Northwest, in fact we believe this is really the only variety that can be depended upon for the making of Sorghum or Syrup. Should be planted at the rate of from 4 to 8 pounds per acre, rows 3½ feet apart.

for the production of grain, should be sown in rows at the rate of 3 to 8 pounds per acre and cultivated, while if sown for fodder, should be broadcasted at the rate of ½ bushel per acre.

Kaffir Corn Makes excellent Fodder, either green or cured. The stalks will grow four to five feet high, and are very leafy and relished by all kinds of stock. If grown for seed, will generally yield from 35 to 50 bushels per acre. If grown for grain, sow in rows three feet apart, three to five pounds of seed per acre, and for fodder, broadcast at the rate of ½ bushel per acre.

Milo Maize Very similar in growth to Kaffir Corn, but is preferred by many growers, who claim that it produces more grain per acre and a better quality of forage. Should be sown in the same manner and at the same rate as Kaffir Corn.

Feterita This comparatively new grain, belonging to the Sorghum family, and introduced from Africa by the United States Department of Agriculture, has rapidly made a favorable impression wherever it has been sown. It is wonderfully drought resisting, early and heavy yielding and seems to be immune to the attacks of insect pests. If grown

For special prices see colored sheet following page 20

Disco Forage and Soiling Crops

Soy or Soja Beans

Possibly no other single race of plants have leaped so rapidly into universal favor as an agricultural asset as the Soy Bean. A few years ago it was spoken of as a good crop for Southern planting. Its value was early recognized by progressive farmers. The various State Agricultural Colleges have given a great deal of attention to this plant and, as a result of their work, varieties are now available which are adapted for growing in any State in the Union, North, South, East or West.

Soy Beans are more resistant to heat and drouth than are clovers and alfalfa. They rank with oil meals as a concentrated feed for cattle, sheep and hogs. The hay is almost equal to alfalfa in feeding value. Belonging, as it does, to the leguminosae, it is an excellent soil improver. When used in the silo in conjunction with corn, the added protein available makes a very valuable contribution to the feeding value of the silage.

MANCHU. This variety was imported from Northern Manchuria and has proved to be quite an acquisition for use in the Northern States, both for grain and forage. The plants are stout and very erect, a heavy yielder, and matures in about 110 days.

HOLLYBROOK. About 10 days later than Manchou, but a heavier yielder, and for that reason a desirable variety to use for the silo.

ITO SAN. One of the earliest varieties at present in cultivation, and well adapted for Northern conditions. Not as heavy a yielder as some of the later sorts, but a very desirable variety on account of its earliness, matures in about 105 days.

EARLY BLACK. This is the first variety we distributed in South and North Dakota and Minnesota and it has given excellent results. It grows from 18 to 20 inches high, matures in about seventy-five days, and is well adapted either for silo, pasture, hay or grass.

EARLY BROWN. A very useful variety for Northern conditions, grows taller than the Early Black and is a trifle later, but can generally be depended upon to mature before frost. Makes a strong leafy growth, and is well adapted for hay or silo.



Soy Bean

Sunflower **Russian Giant**—The value of this plant has been demonstrated with unusual emphasis during the past few years and it is now being used extensively as far north as Edmonton in the Canadian West. Used in the silo either alone or in conjunction with corn, it provides excellent feed and gives a heavier weight per acre in the North than can usually be obtained by the planting of corn. Aside from its value in the silo, for poultry feeding it is second to none, and the dry stalks make excellent kindling.

Field Peas One of the best annual legume crops for the Northwest, as the cool temperature at nights just seems to suit them and they make their best growth under such conditions. If sown with oats they make excellent feed and are more easily harvested and if necessary can be separated in cleaning.

Canadian Field—Grow to a height of four feet and will yield from 30 to 40 bushels per acre.

Sudan Grass A great drought resistant hay crop. This comparatively new grass has very rapidly made a place for itself in agricultural economy all over the United States and Canada. Being susceptible to frost, it should not be sown until late in the season, but under favorable circumstances will mature in a marvelously short period of time; the first crop being ready to cut less than fifty days after seeding, and after cutting, it renews its growth promptly, and generally speaking, in from 30 to 40 days another cutting can be made. Will grow in almost any kind of soil; is unusually drought resistant. Provides excellent hay which is easily cured. The seed we offer is free from impurities of any kind and is of high vitality.

Field Beans Grow these for winter use, all our seed is Dakota grown, perfectly acclimated and will grow quickly and mature rapidly.

GREAT NORTHERN. Originally grown by the Indians, very hardy and early, much improved by selection and we consider them the best quality White Bean in cultivation.

SMALL WHITE NAVY. Local grown so that their earliness and hardness is assured. The skin is very thin and the bean is of excellent flavor.

For special prices see colored insert, following page 20

Disco Selected Grass Seeds

Timothy (*Phleum pratense*)—One of the most useful and valuable grasses; of wonderful nutritious value and unusually productive; the seeds being very small and produced in great abundance, makes it the most economical of grasses; extremely hardy; seldom winter-kills and stands heat and cold equally well. Sow 10 to 12 pounds to the acre.

Awnless Brome Grass (*Bromus inermis*)—A native of Russia, well adapted to a cold climate. One of the deepest rooting grasses in cultivation. Suited to dry soils. Makes the best of pasture, being green the first thing in the spring and late in the fall. Sow from 20 to 25 pounds per acre.

Western Rye Grass (*Agropyrum tengerum*)—Sometimes known as **Slender Wheat Grass**. Adapts itself to varied conditions and will thrive almost anywhere; grows successfully even in alkali soil; yields an abundance of nutritious hay. Sown on land that has become worn out and depleted of fibre, after two or three years, whether sown for hay or pasture, when broken up will be almost like new land. Sow 15 pounds to the acre.

Meadow Fescue or English Blue Grass (*Festuca pratensis*)—A very useful grass for permanent pasture; makes excellent hay. Sow 15 pounds to the acre.

Red Top, Solid Seed (*Agrostis vulgaris*)—Also known as **Herd's Grass**, grows most luxuriantly on moist, rich soils; very robust; produces strong, thick roots and

makes a firm sod very desirable for pasture purposes. Will succeed well on alkali land where other grasses fail. Sow 10 to 12 pounds of solid seed per acre.

Kentucky Blue Grass (*Poa pratensis*)—Also known as "**June Grass**." Produces an excellent pasture of a beautiful verdant green and is particularly adapted for seeding on a pasture field surrounding the home where a good sod of pleasing appearance is desirable. Sow from 30 to 40 pounds per acre.

Canadian Blue Grass (*Poa compressa*)—Very similar to the Kentucky; grows coarser, and the stems, as its botanical name indicates, are flattened. It will grow on poor soils where Kentucky would not thrive.

Perennial Rye Grass (*Lolium perenne*)—An excellent grass for permanent or temporary pasture. The hay is relished by all kinds of stock and will also stand close pasturing. Sow 15 pounds per acre.

Crested Dogstail (*Cynosurus cristatus*)—A very hardy, compact growing grass, which forms a lasting turf. The roots penetrate deeply and the plant withstands dry weather unusually well. Sow 30 pounds per acre.

Orchard Grass or Cocksfoot (*Dactylis glomerata*)—A very useful grass either sown alone or combined with other grasses for permanent pasture. One of the earliest grasses in the spring; is unusually productive.

Disco Selected Mixtures for various purposes

We recommend the mixtures offered, with the utmost confidence. They are based on systematic trials made by the leading agriculturists and experiment stations throughout the country. If you want mixtures for any purpose not enumerated here, kindly write us. Our experience is very gladly at your service.

Annual Hog Pasture Mixture—Some years ago we were asked to make up a special mixture by some of our customers that would be suitable for seeding down in odd places which would otherwise be treated as waste land, for the purpose of providing a quick-growing annual hog pasture, and after careful research and several experiments we prepared a mixture which has been giving wonderful results. This mixture may be sown in any waste patches or on pastures where the grass has become thin, may be sown about corn-planting time, sowing from thirty-five to fifty pounds per acre. Hogs thrive on this much better than they do on any single

variety, as it gives them just that change of diet that all animals require.

DISCO Permanent Pasture Mixtures—
a. For high and dry land. b. For good rich land, neither too wet nor too dry. Blends of the most desirable grasses in proper proportions with the object of insuring not only abundant pasture but maintaining same for the longest possible time. Seed 20 pounds per acre.

DISCO Permanent Meadow Mixtures—
c. For high and dry land. d. For good land, neither too wet nor too dry. e. For moist and wet land. Blended in such proportion as will insure the heaviest possible crop of good quality hay.

Timothy and Alsike Mixed—The mixture we offer of these two desirable grasses is blended in such proportions as years of experience have shown to give the most desirable combination.

Timothy and Medium Red Clover Mixed—This also makes a very useful mixture for temporary meadow, and gives a heavy crop of excellent hay of high feeding value.

For special prices see colored insert following page 20

Rape Dwarf Essex

The Best Green Forage Plant for Sheep and Hogs

Rape can be put to quite a number of uses. It may be sown alone as a spring crop to provide early pasture. It may be sown with spring grain to provide fall pasture after the grain is cut. In this latter case it is better sown after the grain is up and the ground dragged immediately after sowing to cover the seed. As it is a common practice to drag or weed our grain crops after they are up, the sowing of Rape at this time can be easily done. Rape may also be sown just before the last cultivation of corn to provide fall feed and increase the yield of feed per acre, or Rape may be sown with Fall Rye to provide fall pasture.

Our sales of Rape have made phenomenal increases during the past few years. We used to sell only a few thousand pounds per year, now we handle regularly in straight carloads. This means that we import direct from the grower, thus not only enabling us to sell the very finest quality at the lowest price, but also ensures our customers getting new crop seed of strong and rapid growth.

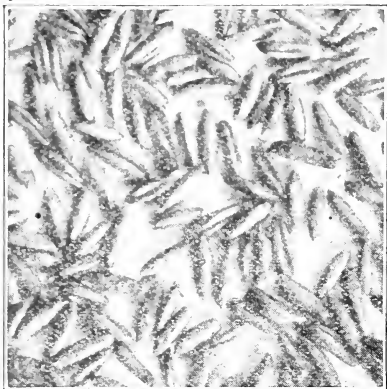
The uses of Rape are not limited to those mentioned above, as it may be sown at almost any time of the year and will provide quickly a large amount of forage. Live stock raisers have not yet come to realize the possibilities of Rape. There are thousands of acres of land sown to small grains that could be made to yield an abundant fall pasture by the sowing of two pounds of Rape seed to every acre of ground. The cost of the seed is so trifling and so small an amount is required that there is really no expense connected with it compared to the value of feed that is secured. The amount of seed to be sown per acre varies from two to six pounds, depending upon the way it is handled. When sown alone, from five to six pounds are recommended. When sown with small grain, two to three pounds.



It pays to have rape seed on hand on the farm. There are often times when it could be profitably used if you just had it handy without having to send for it.

Hogs or any other live stock to thrive properly need a change of feed now and then, nothing serves the purpose so well as Dwarf Essex Rape. The hogs in the picture are anticipating a treat.

Disco Selected Pedigreed Seed Grains



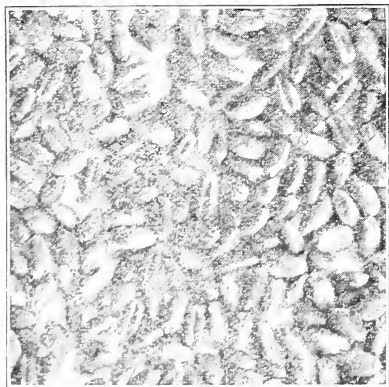
Disco 22 Hulless Oats

us of from 45 to 60 bushels per acre and the weight per bushel has averaged 52 lbs. We did not begin to be able to take care of the demand last year, we had to turn down hundreds of orders and in our anxiety to take care of as many as possible we did not hold back enough for our own planting, and consequently we are not going to have as many as we would like to have for this season's distribution. We are satisfied from the inquiries we already have that we are not going to have enough to go round. Naturally hog raisers are evidencing unusual interest in this new Oat.

Disco 22 Hulless Oats may be grown just the same as other oats, they are an early maturing variety ripening just a little later than Sixty Day Oats. They grow with a hull on but the hull comes off in threshing. They weigh as a rule around 50 pounds to the bushel, but are sold on the basis of the standard bushel (32 pounds). They should be sown at the rate of two bushels (64 pounds) to the acre and the seeder set about as for Rye.

Disco Sixty Day

Reports coming to us from all over the state indicate that this was the most profitable and uniformly successful Oat grown. The past season has again demonstrated that it is poor policy to depend on one variety. The wise farmer will always insure a crop by planting an early and a late variety and thus offset the possibility of complete crop failure. Disco Sixty Day is beyond question the best early variety for the Northwest States. In spite of its



New Ruby

For special prices see colored sheet following page 20.

Oats We pride ourselves on the high grade of oats that we have been able to send out to our customers in the past and are glad to say that this year we have possibly the finest quality we have ever had.

Disco 22 Hulless Oats

No introduction made by us in recent years has created so much interest and favorable comment as the Disco Hulless Oats. Our supply being very limited they were sold out in comparatively small lots. Sufficient, however, were distributed to make a thorough test in regard to their usefulness, and this has been amply demonstrated. We cannot begin to enumerate the flattering reports we have received, as to do so would absorb many times the space we can allot to this subject. Suffice it to say that we have not received one single adverse criticism. Yields have been reported to

earliness, taking the average crop, covering a number of years, it heads the list.

Swedish Select has rapidly established itself in South Dakota, Minnesota and the Northwestern States generally. Wonderfully drought-resistant, will produce a crop usually under the most adverse conditions. Nice appearing with moderately thin hull, straw stiff and not liable to lodge.

Victory, of Swedish origin, sometimes known as Seger, the Swedish for Victory. A short grained oat with a very thin hull, and comparatively few awns. The straw is peculiarly resilient, enabling it to stand up well against storms which would cause most other varieties to lodge. Stools well and is excellent for sheaf feeding.

New Ruby Spring Wheat

This variety which we introduced for general distribution for the first time one year ago, has given quite satisfactory results. We explained in our catalog a year ago the reasons why we recommended it, viz.: A wheat of the same type as Marquis, equal in milling quality, but from ten days to two weeks earlier. Where Marquis has been a failure owing to hot winds striking it just before the crop is made, or where rust has affected the development and reduced the yield and quality, Ruby will win out, and has done so. We recommend this variety with a great deal of confidence.

Spring Wheat—Continued

Kota This wheat was originally brought from Russia in 1903 by Mr. H. L. Bolley of Agricultural College, N. D., one of North Dakota's most distinguished agriculturalists. Mr. Bolley in writing us regarding this wheat says. "This is a wheat of the bread wheat type. It ought to class as 'Hard Red Spring.' A bearded wheat of the Velvet Chaff or Preston type." He further states: "I find it to be non-resistant to lesser leaf rust but highly resistant to stem rust." This wheat has attained considerable prominence as a rust resisting wheat and we believe it is well worth a trial where rust has been a menace, or on wheat sick soils.

Marquis Where this variety succeeds well and is not affected by rust, there is nothing better. It has, however, shown a very decided tendency to rust in many districts, and we do not recommend it for general use. The stock of seed we offer is very fine, of high purity and germination, free from bearded heads, or other variations from the true type.

Kubanka Durum or Macaroni

Within the past few years has very rapidly increased in favor owing to the fact that it is unusually rust and drought-resistant. Where Marquis and other varieties have been completely destroyed by rust or have failed to produce a crop owing to drought, wonderfully good returns were obtained from Kubanka. We strongly recommend a trial of this variety.

Acme Durum This is a very fine selection of the Durum type, which has given excellent results in many parts of the Northwest States. We have an excellent stock of high grade seed, free from weeds and true to type.

New Kanred and Turkey

Red We have made arrangements to have a good supply of choice Certified Seed and will be glad to have inquiries in the Fall.

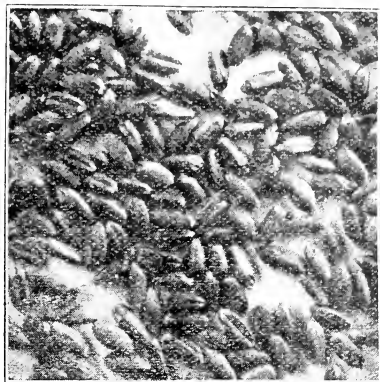
Speltz The value of this crop is only beginning to be fully realized. Somewhat similar to barley, one

Prolific Spring Rye

This new variety which we are distributing for the first time was brought to our attention about one year ago. We found that for several years under different conditions it had yielded five bushels per acre more than the common variety. In fact, it is the highest yielding variety we have so far tried. The stock we offer was grown in Hanson County, South Dakota, under our own supervision from Elite stock seed, was well harvested and is a splendid sample.

For those who want the best there is, Prolific fills the bill.

Spring Rye We have an excellent stock of well grown, well cleaned and graded seed of the old standard variety that has proven so satisfactory during the past few years.



Kota Wheat

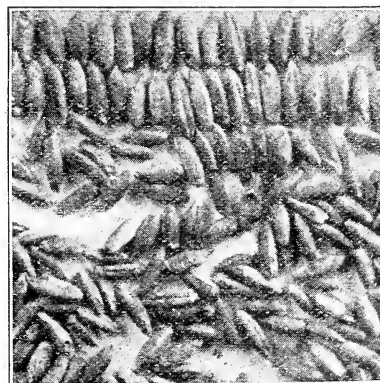
of the surest crops known. Gives good returns even under the most adverse conditions, yielding from 35 to 50 bushels to the acre. Can be profitably fed to all kinds of stock. Sow at the rate of two bushels (84 lbs.) per acre.

Barley **Manshury**—We believe this to be the best all around type of Barley for the Northwest.

Oderbrucker or Wisconsin No. 55—Being a very important crop in Wisconsin, the State Experiment Station has given somewhat close attention to the selection of Barley, and Oderbrucker is one of their best selections. Said to be the heaviest yielder on the market.

Improved White Hulless—A totally distinct Barley inasmuch as it is both hulless and beardless, and is much better adapted for sheaf feeding than the ordinary barley, as the beards are most disagreeable fed to stock in this manner. Very early and makes an ideal cleaning crop.

Flax **N. D. R. Wilt-Resistant**—Flax in the Northwest is a paying crop, being especially valuable for seeding on new land as it does well as a first crop on new breaking. Flax is also valuable for late seeding as it can be sown when it would be too late to expect a crop even from oats or barley. The seed we offer is grown on new land and is of fine quality and free from weeds.



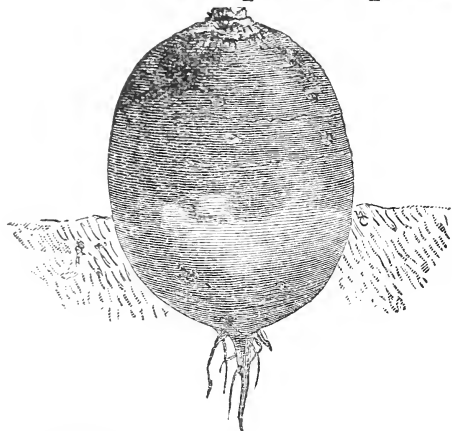
Prolific Spring Rye

For special prices see colored sheet following page 20.

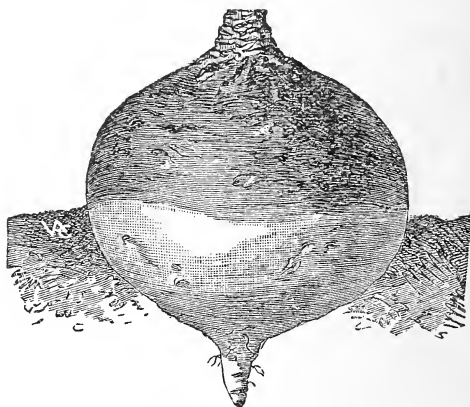
Disco Pedigreed Field Roots

The value of Root Crops has not so far been fully appreciated. They are rich in both starch and sugar; their total food value per pound is from $1\frac{1}{2}$ to 2 times as great as corn and 4 to 6 times as many pounds can be produced in the same area. They are easily stored and will keep all winter; in fact, Bangholm Swede will keep in sound condition until the following May or June.

Purple Top Swede or Ruta Baga



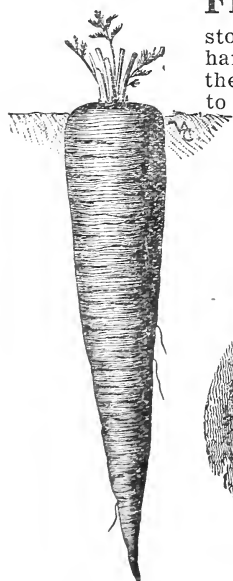
700 Monarch—An early, heavy cropping, oval-shaped Ruta Baga, of fine quality. Best for early use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c; 5 lbs. \$3.50, postpaid.



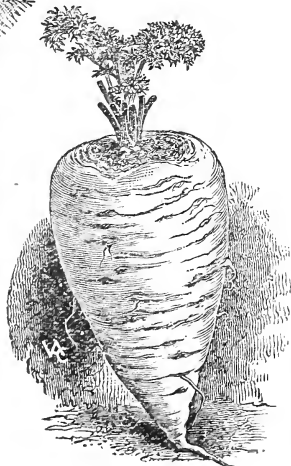
703 Bangholm—Hardy, round-shaped Swede, excellent cropper; good keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c; 5 lbs. \$3.50, postpaid.

Field Carrots

The value of Carrots for stock feeding is being increasingly understood by progressive stockmen all over the country. They are easy to sow, grow and harvest. If you have grown them before, you will be convinced of their value; if you have not, then we most heartily recommend you to do so.



751 Long Red Surrey



750 Giant White Vosges

750 Giant White Vosges—Very popular all over the world where Field Carrots are grown. An unusually heavy cropper; excellent feeding qualities. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 75c; 5 lbs. \$3.50, postpaid.

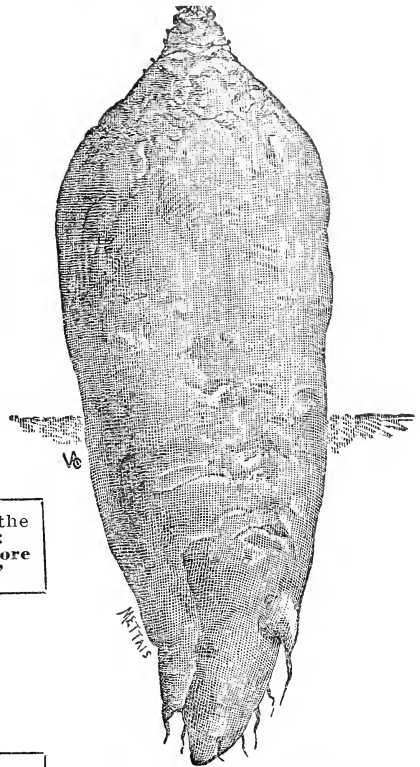
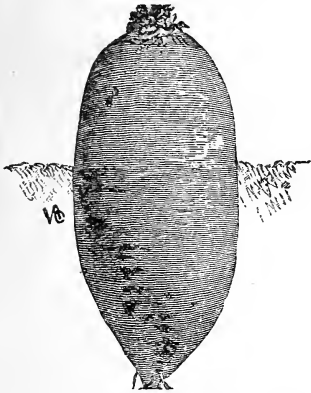
751 Long Red Surrey—Many prefer to grow an orange carrot on account of its better eating qualities. While it is admitted that white carrots are the heaviest yielding it is recognized that for eating purposes the orange carrots are in favor. Long Red Surrey is a heavy yielder, fine length, thick crown, very little core, smooth, sweet, clean, tender, crisp and mellow. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c; 5 lbs. \$4.00, postpaid.

Study this page carefully and try out an acre or two of roots.

Disco Pedigreed Field Roots

Mangel Wurzel

732 Selected Mammoth or Giant Long Red—The heaviest cropper in cultivation; an area of this variety should always be grown to use in conjunction with the yellow varieties for feeding. $\frac{1}{4}$ lb., 15c; 1b., 45c; 5lbs., \$1.85, postpaid.



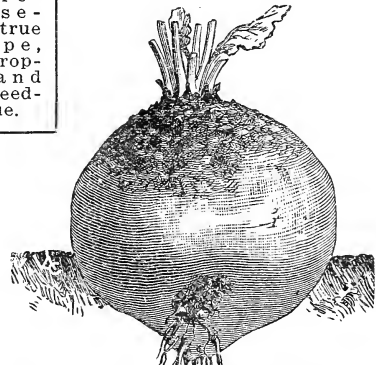
Answer the slogan:
"Grow More Roots."

733 Selected Golden Tankard—Neat in appearance, with small tap root; a beautiful reddish golden skin, and sound, rich, firm yellow flesh. Oz., 10c; $\frac{1}{4}$ lb., 20c; 1b., 40c; 5 lbs., \$1.80, postpaid.



The roots from which our seeds are saved, are carefully selected, true to type, heavy croppers, and high feeding value.

732 Selected Mammoth or Giant Long Red



730 Giant Yellow, Intermediate or Gatepost—Grows to a great size, high out of the ground, good quality and heavy cropper. Oz., 10c; $\frac{1}{4}$ lb., 20c; 1b., 50c; 5 lbs., \$2.00, postpaid.

731 Prizewinner Yellow Globe—A longish globe-shaped variety, very heavy cropper. Oz., 10c; $\frac{1}{4}$ lb., 20c; 1b., 50c; 5 lbs., \$2.00, postpaid.

Your stock will thrive better if fed a root diet occasionally.

Disco Root and Forage Crops

Sugar Beet or Half Sugar Mangels

740 Giant Green Top White—a pedigreed stock of Sugar Beet or Half Sugar Mangel; bred to produce the highest percentage of feed value; a heavy cropper; much relished by stock; keeps well; easily harvested; skin a whiteish color, shading to green at the top; flesh white, fine grained, solid, tender and sweet. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75, postpaid.

741 Giant Green Top Rose—Grows to an unusually large size; of exceptionally high feeding value; color bright pink shading to a lighter color at the bottom; flesh white, crisp and sweet. While the Sugar Beet does not produce as heavy a crop as Mangel, it is preferred by some, particularly for dairy stock. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75, postpaid.

Kale Giant Marrow Stem



Kale Marrow Stem
761

Sometimes referred to as **Duplex Rape-Kale** on account of the fact that not only are the leaves useful for stock, but the thickened stem, which is full of marrow and is softer than turnip, is of high feeding value and greatly relished by stock. For summer and early fall feeding is invaluable, as not only does it produce a great weight of leaves, but the stems are of incalculable value. Grows between 4 and 5 feet high. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.50; 5 lbs., \$12.00, postpaid.

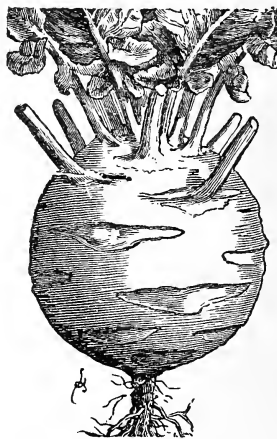
Buckwheat An excellent catch-crop, develops very rapidly. Useful either for hay or if allowed to mature gives an excellent grain crop which is much in demand for both poultry feeding and household use.

Japanese—The best variety for the Northwest. Produces its seed earlier, resists drought and is very dependable.

Silverhull—While not quite so early as Japanese, is preferred by millers, as it makes a whiter, better and more nutritious flour. A nice variety to sow where bees are kept.

SugarBeet⁷⁴² Klein Wanzleben—Quite a different type from the others offered; is not suitable for stock feeding, but the roots are used for the manufacture of sugar. In view of the high price of this commodity, which so frequently exists, we recommend every farmer to grow a few so as to produce enough sugar for home use. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50, postpaid.

Kohl Rabi



Kohl Rabi 762

Mammoth or Large Green

The value of this excellent root is not sufficiently appreciated. For early fall use it possesses features which distinguish it from other root and fodder plants which justify its being included. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 5 lbs., \$11.50, postpaid.

Kale, Thousand Headed

Belongs to the cabbage family and is sometimes known as Thousand Headed Cabbage. Will grow 3 or 4 feet high, and produces an abundance of succulent leaves all round the stem. These leaves are greedily eaten by stock; sheep being especially fond of them. Splendid for poultry. Sow in drills 30 inches apart, and thin out to 24 inches between each plant. In well prepared land, with frequent cultivation, will produce 15 tons of green feed per acre. Provides A1 pasture for all kinds of stock. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lbs., \$3.75, postpaid.



Kale, Thousand Head
760

WHERE PRICES ARE NOT QUOTED REFER TO COLORED INSERT, PAGE 20



A Good Name Well Known.

For 16 years has signified the best in seeds.

Grow Well Because They Are Well Grown.

To insure prompt attention address all orders to the firm, not to individuals. Use order sheet at end of catalog.

SPECIAL PRICE SHEET

Prices are effective January 1st, 1923 and are based on values at time of issue, F. O. B. Mitchell, S. D., subject to prior sale and market change. Write for special prices on large quantities. All seeds are sold on the basis of the **Disco Guarantee**, printed on page 62 of the 1923 catalog. We expect prices will advance, and recommend early ordering. If no Agent at your station, add sufficient to prepay freight or express. If you remit too much, surplus will be promptly refunded. If required by parcel post, your Postmaster will tell you in what zone from Mitchell you are located so that you may include correct postage with your remittance.

Our Co-operative plan: In view of high freight rates we are anxious to co-operate with our customers to enable them to combine together in a co-operative way and make up carload shipments. This not only saves freight, but also insures more prompt and safe delivery, as in carload lots the bags are loaded into the cars at our warehouse and go right through to destination without change. To enable our customers to do this, we will reserve orders at current prices, when orders are received, on payment of 25% of the value, the balance to be paid before shipment is made. We make this concession to encourage co-operative orders and early ordering. This will apply only on orders received before March 15th, 1923, and they must be completed not later than April 5th, 1923. **Get together! Co-operate with a firm that has given you good service in the past and aims to serve you better in the future.** Should prices have changed when your order is received, if lower, we will refund balance; if higher, we will either reduce your order to the amount remitted, or ship C. O. D. for the balance, as you prefer.

ALFALFA. Bountiful crops are being harvested all over the United States and Canada from fields sown with **DISCO ALFALFA SEED.** **DISCO Hardy Alfalfa** is a household word with successful Alfalfa growers.

Current Prices January 1st, 1923. F. O. B. Mitchell, S. D. No Cartage Charges.

Bags Weighed In Free.

	100 Lbs.	50 Lbs.	25 Lbs.	1 Lb.	100 Lb. Price Equals per Bushel
ALFALFA, 60-lb. per bushel.					
Dakota Crown, Common, Sunshine Brand.....	\$18.00	\$ 9.50	\$5.00	\$0.22	\$10.80
" " " Emerald Brand.....	22.50	12.00	6.25	.27	13.50
" " " DISCO Brand.....	26.00	13.50	7.00	.30	15.60
Dakota No. 12.....	30.00	15.50	8.00	.34	18.00
Registered Disco No. 26.....	28.00	14.50	7.50	.32	16.80
" " " 28.....	33.00	17.00	8.75	.37	19.80
" " " 38.....	29.00	15.00	7.75	.33	17.40
" " " 79.....	28.00	14.50	7.50	.32	16.80
" " " 80.....	28.00	14.50	7.50	.32	16.80
DISCO Grimm.....	47.50	24.50	12.50	.52	28.50
" Grimm No. 19A.....	50.00	25.50	13.00	.55	30.00
" Baltic.....	50.00	25.50	13.00	.55	30.00
" Baltic No. 11C.....	52.50	27.00	13.75	.57	31.50
" Cossack.....	47.50	24.50	12.50	.52	28.50

We screen our Registered Alfalfas very, very rigidly and this necessitates the elimination of a considerable quantity of really good seed, which owing to the fact that it is not perhaps just as plump as it might be it is separated from our best grades of Registered Seed. This seed being of a very hardy character is well adapted for renovating old pastures or for sowing with small grains as a fertilizer. If interested write for samples and prices, stating quantity required and for what purpose.

CLOVERS, 60-lb. per bushel.

Sweet—Hulled and Scarified.

	100 Lbs.	50 Lbs.	25 Lbs.	1 Lb.	100 Lb. Price Equals per Bushel
Hubam—New Annual.....	\$30.00	\$15.50	\$ 8.00	\$0.35	\$18.00
White Blossom—DISCO Brand.....	18.00	9.50	5.00	.23	10.80
White Blossom—Emerald Brand.....	16.00	8.50	4.50	.21	9.60
Yellow Blossom—DISCO Brand.....	17.50	9.25	5.00	.22	10.50
Medium Red—DISCO Brand.....	28.50	15.00	7.75	.34	17.10
"—Emerald Brand.....	27.50	14.25	7.50	.33	16.50
Mammoth Red—DISCO Brand.....	29.50	15.50	8.00	.35	17.70
"—Emerald Brand.....	27.50	14.25	7.50	.33	16.50
Alsike or Swedish—DISCO Brand.....	22.50	11.75	6.25	.28	13.50
"—Emerald Brand.....	22.00	11.50	6.00	.27	13.20
White or Dutch—DISCO Brand.....	60.00	30.50	15.50	.65	36.00

INOCULATING CULTURE—See Page 11.

DAKOTA GROWN SEED CORN.

Shelled and Graded 56 lbs. per bushel.

Yellow Dent Varieties.

	10 Bushels or More per Bushel	5 Bushels or More per Bushel	1 Bushel
Riverview Special.....	\$2.00	\$2.05	\$2.20
Minnesota 13.....	1.95	2.00	2.10
Early Murdock.....	1.85	1.90	2.00
Disco Pride.....	2.25	2.30	2.50
Pride of the North.....	2.00	2.05	2.20
Wimples.....	1.80	1.90	1.95
Leaning.....	1.70	1.80	1.85
Reids.....	1.70	1.80	1.85

White Dent Varieties.

Disco 90 Day.....	1.75	1.80	1.90
Silver King.....	1.85	1.90	2.00
Northwestern Dent.....	1.80	1.85	1.95

Disco Flint Corn.

Disco White.....	1.85	1.90	2.00
Gehu Yellow.....	1.85	1.90	2.00
Disco Squaw (Rainbow).....	1.75	1.80	1.90
King Philip Red.....	1.85	1.90	2.00
Longfellow Yellow.....	1.85	1.90	2.00

Disco Fodder Corn.

Early Dent.....	.95	1.00	1.05
Medium Dent.....	.95	1.00	1.05
Evergreen Sweet (46 lbs.).....	1.95	1.97	2.00

DAKOTA IMPROVED SEED CO., Mitchell, S. D.

**THE CORN PALACE
CITY**

(Read the Other Side)



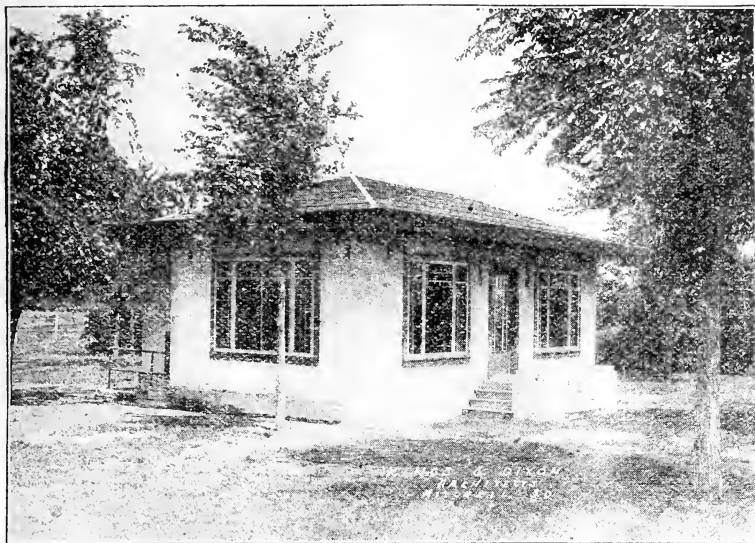
Special Price Sheet FOR EARLY ORDERS

Subject to Prior Sale and Market Change. Read Other Side Before Ordering.
Current Prices January 1st, 1923. F. O. B. Mitchell, S. D. No Cartage Charges 100 Lb. Price

Bags Weighed in Free		100 Lbs.	50 Lbs.	25 Lbs.	Equals per Bushel
DISCO SELECTED MILLETS, 50 lbs. per bu.					
Common.....	Bags Are Free	\$ 5.00	\$ 2.60	\$ 1.40	\$ 2.50
Dakota Kursk.....		5.50	2.85	1.55	2.75
Siberian.....		5.00	2.60	1.40	2.50
Golden or Liberty (German).....		5.00	2.60	1.40	2.50
Hog or Broom Corn.....		4.50	2.35	1.30	2.25
Early Fortune.....		5.00	2.60	1.40	2.50
Japanese or Billion Dollar Grass (36 lbs.).....		4.50	2.35	1.30	1.62
DISCO SELECTED GRASS SEEDS.					
Timothy—DISCO Brand.....		9.50	5.00	2.65	4.28
—Emerald Brand.....		8.50	4.50	2.50	3.83
Awnless Brome.....		15.00	7.75	4.00	2.10
Western Rye Grass.....		8.50	4.50	2.50	1.19
Meadow Fescue or English Blue.....		18.00	9.25	4.75	.....
Red Top (Solid Seed).....		27.00	13.75	7.00	.....
Kentucky Blue.....	Our Motto: Highest quality at lowest possible prices	37.50	19.00	9.65	.....
Canadian Blue.....		27.50	14.00	7.15	.....
Perennial Rye Grass.....		14.00	7.25	3.75	.....
Crested Dog's Tail.....		50.00	25.50	13.00	.....
Orchard or Cocksfoot.....		20.00	10.50	5.50	.....
DISCO SELECTED MIXTURES.					
Disco Permanent Pasture Mixture.....		16.00	8.25	4.25	.....
—Meadow Mixture.....		16.00	8.25	4.25	.....
Timothy and Alsike, Mixed.....		14.00	7.25	3.75	.....
Timothy and Red Clover, Mixed.....		15.00	7.75	4.00	.....
Disco Annual Hog Pasture Mixture.....		5.50	3.00	1.65	.....
DISCO FORAGE AND SOILING CROPS.					
Rape, Dwarf Essex, No. 1 Seed.....		10.50	5.50	2.90	.....
Sunflower, Russian Giant.....		12.00	6.25	3.25	.....
Disco Early Amber Fodder Cane.....		5.50	3.00	1.65	.....
—Amber Sorghum Cane.....		7.50	4.00	2.15	.....
Sudan Grass.....		18.00	9.25	4.75	.....
Feterita.....	Remember we make no charge for bags. Weighed in FREE.	5.00	2.75	1.50	.....
Kaffir Corn.....		4.50	2.50	1.40	.....
Milo Maize.....		4.00	2.25	1.25	.....
DISCO SELECTED SEED GRAINS.					
Speltz, 40 lb. per bushel.....		3.20	1.70	.95	Per Bu. 1.28
Soy or Soja Beans, all strictly Northern Grown, 60 lbs. per bushel.					
Early Black.....		10.00	5.25	2.75	6.00
Early Brown.....		10.00	5.25	2.75	6.00
Ito San.....		10.00	5.25	2.75	6.00
Manchu.....		10.00	5.25	2.75	6.00
Hollybrook.....		10.00	5.25	2.75	6.00
Buckwheat, 48 lbs. per bushel.					
Japanese.....		5.00	2.75	1.50	2.40
Silver Hull.....		5.00	2.75	1.50	2.40
<div>When you buy DISCO SEEDS you are buying the best. The best are always the cheapest in the end.</div>					
Barley, 48 lbs. per bushel.		10 Bushels or More per Bu.	5 Bushels or More per Bu.	1 Bushel	
Mansbury.....		\$1.05	\$1.08	\$1.10	
Oderbrucker or Wise, No. 55.....		1.05	1.08	1.10	
Improved White Hulless (60 lbs.).....		3.05	3.08	3.10	
Flax, 56 lbs. per bushel.					
N. D. Wilt-resistant.....		3.50	3.55	3.60	
Oats, 32 lbs. per bushel.					
New Disco No. 22 Hulless—1 lb. 35c; 2 lbs., 65c; 5 lbs., \$1.50; per bushel, \$3.75.					
Swedish Select.....		.82	.83	.85	
Victory.....		.82	.83	.85	
Sixty-Day.....		.82	.83	.85	
Rye, 56 lbs. per bushel.					
Spring Common.....	Write for special prices on large quantities	1.72	1.73	1.75	
—Prolific.....		2.95	2.98	3.00	
Amber Winter—Write for Prices.					
Rosen Winter—Write for Prices.					
Spring Wheat, 60 lbs. per bushel.					
New Ruby.....			2.90	3.00	
Marquis.....			2.20	2.25	
Kota.....				6.75	
Kubanka Durum or Macaroni.....			2.20	2.25	
Aeme.....			2.45	2.50	
Winter Wheat, 60 lbs. per bushel.					
New Kanred—Write for Prices.					
Turkey Red—Write for Prices.					
Field Peas, 60 lbs. per bushel.					
Canada Field.....			4.50	4.60	
Navy Beans, 60 lbs. per bushel.					
Great Northern Beans.....			7.20	7.25	
			7.20	7.25	
NORTHERN GROWN SEED POTATOES.					
Early Ohio—Prices on Application.					
Irish Cobbler—Prices on Application.					
Cyclone Broadcast Seeders, See page 61.					

DAKOTA IMPROVED SEED CO., Mitchell, S. D.

(Read the Other Side)



The above is a picture of the Rest Room and Tourist Kitchen at Hitchcock Park, Mitchell. The kitchen is fitted up with gas cook stove, running water, electric light and other facilities for the convenience of tourists, while the rest room is comfortably furnished and is supplied with free writing materials, telephone and other requisites so much appreciated by visitors. In the basement of the building a shower bath is available, together with other sanitary conveniences. Mitchell always extends the glad hand to tourists.

The Free Tourist Camp Grounds are ideally located in Hitchcock Park with its beautiful lawns and shrubberies. Visitors to Mitchell are generally very enthusiastic about our beautiful public parks and private lawns, and we take pardonable pride in having supplied the seed which has played no small part in achieving these splendid results.

Lawn Grass

907 DISCO Evergreen Lawn Grass—Nothing adds so materially to the charm and distinguishes a home from a house on a vacant lot, than does a well-kept lawn. This not only applies to the suburban residence in the city, or residence in the smaller towns, but applies with equal force to the farm. We venture to say that nothing would so materially improve and maintain our home-life as an improvement in the surroundings of the average farm home. The tendency is to spend money on automobiles to take the children away from home rather than make the home and surroundings so attractive that their desire will be to stay around home. That this is desirable from every standpoint cannot be gainsaid. We have had long experience in the preparation of lawn grass mixtures, and DISCO Evergreen Mixture represents the very finest combination of dwarf and close growing grasses which will form in a remarkably short time, a soft, velvety turf. Our advice is gladly at your service in seeking to help you to establish a good lawn.

Disco Mixture: 1 lb. 50c; 10 lbs. \$4.90; 25 lbs. \$12.00; 50 lbs. \$23.50; 100 lbs. \$46.00. Postage or express extra.

EMERALD. A mixture of less expensive grasses, suitable for ordinary lawn purposes, where a close velvety turf is not so essential.

1 lb. 35c; 10 lbs. \$3.45; 25 lbs. \$8.50; 50 lbs. \$16.75; 100 lbs. \$33.00. Postage or express extra.

Our Lawn Grass is famous for the splendid results obtained.

Disco Vegetable Seeds

Our Vegetable Seeds represent the very finest types selected with the greatest care. Grown under Northern conditions by experienced and careful growers, they are guaranteed to please the most critical epicure. A few dollars spent in Seeds will give abundant returns, not only in actual financial gain, but in health and happiness. We supply simple Cultural Instructions with every order and our Service Bureau is always ready to help solve your problems.

Located as we are in our own buildings, no high rents to pay, with low operating costs, our prices are low and quality the best. You will enjoy trading with us and we will be glad to number you among our friends.

Asparagus

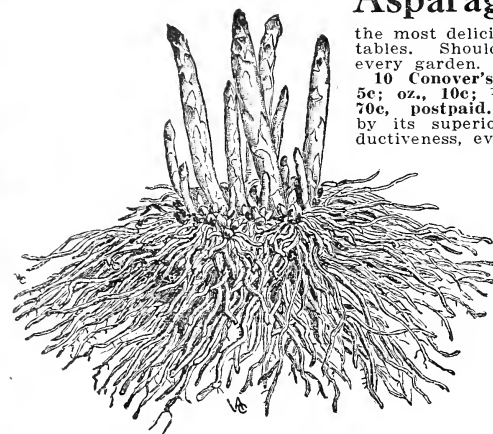
One of the earliest the most delicious spring vegetables. Should be grown in every garden.

10 Conover's Colossal—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 70c, postpaid. Distinguished by its superior quality, productiveness, evenness of growth and fine pea green colored shoots. See illustration.

11 Roots—two-year-old—Doz., 50c; 50 for \$1.75; 100 for \$3.00, postpaid.

Beans

To insure hardness, our Beans are grown as far north as possible, consistent



Asparagus Conover's Colossal (10)

tent with perfect development and proper maturity. We are not offering a lengthy list of varieties which usually only causes confusion. Our selection consists of what from long experience we believe to be the very best.

Dwarf Bush Varieties

20 Golden Waxpod, Imp.—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. The most popular wax variety and one of the best. Very early and a heavy cropper, the pale yellow pods sometimes growing eight inches long. The flesh is brittle, stringless and of good quality. See illustration.

21 Disco Kidney Waxpod—Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid. Resembles the old favorite Wardwells but more robust and prolific. Pods are eight inches long, stringless, fibrous, very fleshy and brittle; attractive clear yellow color. See Figure E.

22 Pencil Pod Black Wax—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. The finest of the dwarf black seeded wax varieties. Exceptionally early and productive. Pods seven inches long, round, straight and crease-backed, perfectly stringless, fleshy and brittle. See Figure B.

23 Davis White Kidney Wax—Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. Early, productive and attractive, pods large and flat, 7 inches long, very uniform and straight, color clear bright yellow. Seed white kidney shaped. See Figure A.

30 Black Valentine, Greenpod—Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. Beautiful large pods, slender, round and nearly straight, fine-grained, and a nice dark green color. More vigorous grower than Red Valentine. See Figure C.

31 Disco Stringless, Greenpod—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. Very early,



Golden Waxpod (20)

hardy, vigorous and productive. Large pods, stout, round, tender and brittle; dark green in color. Perfectly stringless. Finest quality. See Figure D.

32 Bountiful—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. We consider this the best of the flat podded stringless varieties, pods 7 inches long, color light green. Very early, vigorous, hardy and productive.



Beans—Continued

Pole or Climbing Varieties

40 Emperor Scarlet Runner—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 5 lbs., \$2.00, postpaid. The largest podded variety in cultivation, bearing a heavy crop of very fine handsome pods, borne in clusters, of excellent cooking quality. Useful also for trellis work or veranda covering, its bright scarlet flowers and verdant foliage being very effective. See illustration.

41 Horticultural Pole, or Cranberry (October Bean)—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid. The well known standard sort; very hardy and productive; medium early. The pods which grow from five to six inches long are straight, flat, stringless and of excellent quality. The color is a beautiful dark green, splashed with bright red.

42 Kentucky Wonder, or Old Homestead—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. This is probably the most popular green-podded, climbing or corn-hill bean grown. Is very early and productive, pods will grow to eight and nine inches long; are very slender, curved, and of tender quality.

43 Kentucky Wonder Wax—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 5 lbs., \$2.00, postpaid. One of the earliest of the pole wax varieties. Pods nine inches long, fleshy and brittle, color light yellow.



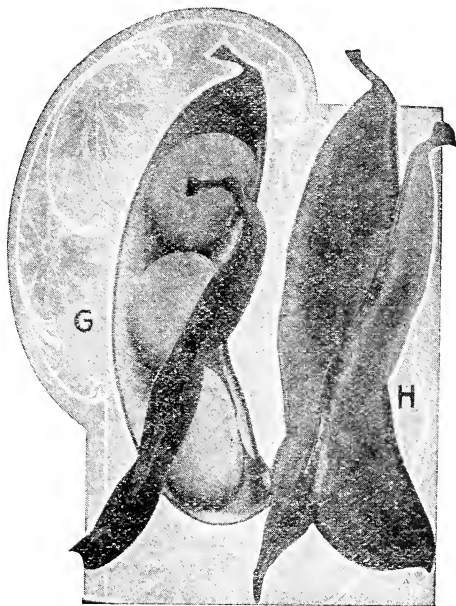
**Emperor
Scarlet Runner**

Lima Beans

50 Dwarf Sieva Lima—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid. A vigorous, hardy, very early Bush Lima, much in favor for canning. Pods are three inches long—containing three to four small flat white beans of good quality.

51 Fordhook Bush Lima—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid. One of the most popular, both for home use and with market gardeners. Pods usually grow about five inches long, contain four to five large, oval-shaped, very thick white beans of the Potato Lima type.

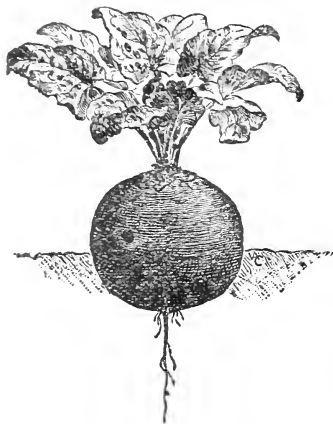
52 New Wonder Bush Lima—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 35c; 5 lbs., \$1.50, postpaid. A very fine mid-season variety and a heavy producer, unusually dwarf. Can be planted closely. Beans are very broad and are as large as many of the Pole varieties. The advantage of this variety being that it can be grown even in the smallest gardens where the Pole varieties would take up too much space.



Lima Beans

Beet (Table) No garden should be without a generous sowing of this excellent blood-enriching vegetable, which is so easily grown.

70 Crosby's Egyptian—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid. Our strain of this popular beet is an exceptionally good one, if thinned out at the proper



time, will produce nice sized shapely roots, very rapidly.

A flattened globe shape; skin very dark red; flesh a trifle lighter and lightly zoned; produces very small tops.

71 Detroit Dark Red—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c, postpaid.

Beet—Detroit Dark Red (71) p o s t p a i d.

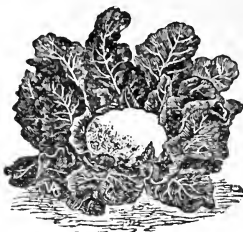
One of the very best sorts for home or market garden and for canning or pickling. Roots uniformly smooth, medium size and beautifully globe shaped; skin blood red, flesh dark red, zoned with a lighter shade; quality tender and sweet.

72 Extra Early Flat Egyptian—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c, postpaid. Without doubt one of the earliest varieties in cultivation. Tops are unusually small; roots being distinctly flat, rather than globe shaped; color a dark red; flesh a dark purplish-red, zoned to a lighter shade. A splendid variety for first crop for either market or home use.

80 Swiss Chard, Lucullus — Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid. The cut and come again Spinach. If its merits, usefulness and easy cultivation were even half appreciated, it would find a place in every garden. Produces abundance of greens which can be used all summer.



Swiss Chard Lucullus (80)



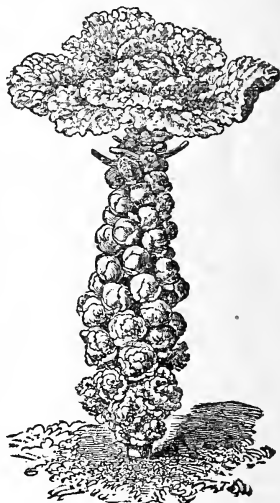
Broccoli Walcheren (90)

90 Walcheren—Pkt., 5c; oz., 30c; ¼ lb., \$1.10, postpaid. The earliest variety, the link between Broccoli and Cauliflower, and the best for use in the Northwestern States. For Borecole see under Kale.

Brussels Sprouts

Miniature Cabbages produced on a plant stalk, used like cabbage. The delicate flavor is improved by a slight touch of frost.

100 Standard—Pkt., 5c; oz., 15c; ¼ lb., 55c, postpaid. A magnificent variety with large solid sprouts produced from top to bottom.



Brussels Sprouts Standard (100)

FROM ONE OF OUR CUSTOMERS

Dear Sirs:

Please change my address from Spencer, So. Dak., to Alexandria, So. Dak., Route No. 4.

I am a regular crank on Garden Seeds and I will list and comment on each kind I ordered, as I always make it a point to keep a close record.

No.

70 Beet: Seed did not germinate strong, but is a very good one.

110 Cabbage: Seed good, not as early as it should have been.

162 Carrot: Very, very good, best I ever raised.

303 Lettuce: Could not be beat.

362 Onion: Good.

363 Onion: Better.

400 Parsley: Every seed grew. Best I ever saw.

410 Parsnip: Every seed grew. Have enough in cellar to eat for 2 years.

525 Salisfy: Every seed grew. Very rich flavor, 1 package enough for 2 families.

535 Spinach: Every seed grew. Good enough for anybody's garden.

You can sure depend on my order for Garden Seeds in the Spring.

Yours truly,

Cabbage The selection of varieties we offer will enable you to have a supply all the year round.

110 Disco Alpha—Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00, postpaid. The earliest variety in cultivation. Should be sown for first crop.

111 Early Jersey Wakefield—Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.25, postpaid. Early pale glaucous green, with blunt conical heads of good size. The most widely known and popular variety.

112 Early Winningstadt—Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00, postpaid. Early main crop, firm, compact, short conical head, rather leafy, leaves undulated at the edge. One of the best for either early or late use.

113 Copenhagen Market—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. Short-stemmed, growth compact, outer leaves small, tightly folded over a solid, flattish ball-shaped head with fine veins and small core, averaging about ten pounds in weight. Can be planted closely together and will yield a greater crop per acre than any other cabbage. Our stock is true to type and matures with great uniformity.

114 Glory of Enkhuizen—Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.40, postpaid. Short-stemmed, medium early, with large, round, very hardy head and few outer leaves, which permits close planting. A good keeper and splendid for winter use. Should be grown as a succession crop to Copenhagen Market.

115 Premium Flat Dutch—Pkt., 5c; oz., 15c; ¼ lb., 55c; lb., \$2.00, postpaid. Large heads flattened on the top, very full and firm, long stem. Will stand more frost than most varieties, and may be left later in the ground.

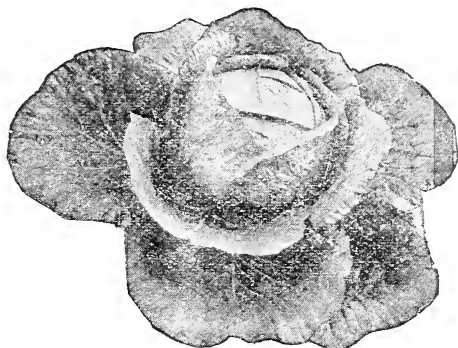
116 Danish Ball Head—Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.25, postpaid. A very distinct short-stemmed cabbage, with round, very hard and solid heads, a late variety, popularly grown for keeping through the winter.

117 Danish Round Head—Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.25, postpaid. Similar to Ball Head, slightly larger, longer stem and about two weeks earlier. Very hard and heavy.

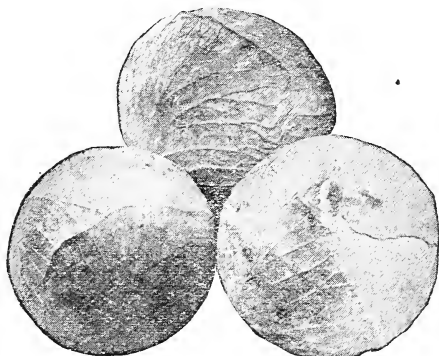
130 Red Dutch Dwarf—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. The earliest of the Red varieties, and the best for pickling.



Disco Alpha



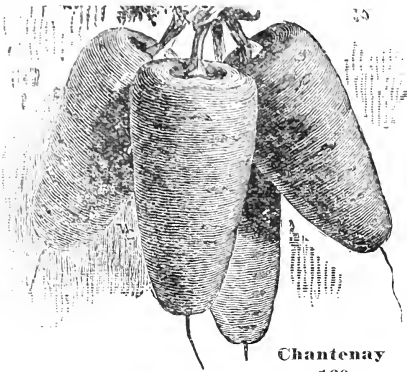
Copenhagen Market



Danish Ball Head

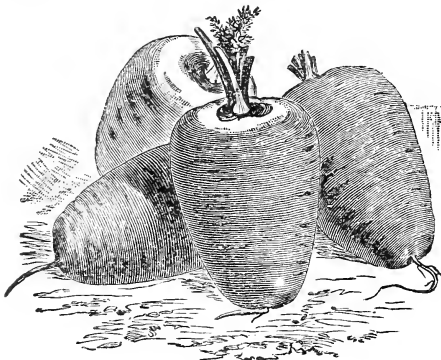
140 Savoy Dwarf Green Curled—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. Sometimes described as the "Honey Comb Cabbage." Hearts quite green and very solid; will stand twenty degrees of frost, and remains a long time on the ground fit for use.

150 Chinese (Pe Tsai)—Pkt., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00, postpaid. Celery cabbage, resembles Cos Lettuce, but has a decided cabbage flavor.



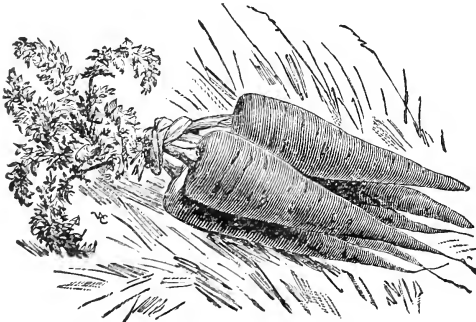
Chantenay
160

160 Chantenay—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. Excellent medium early half-long stump rooted variety, about six to eight inches long, very thick, smooth and of a deep orange-red color. This variety and Oxheart are really the most popular sorts.



Oxheart 163

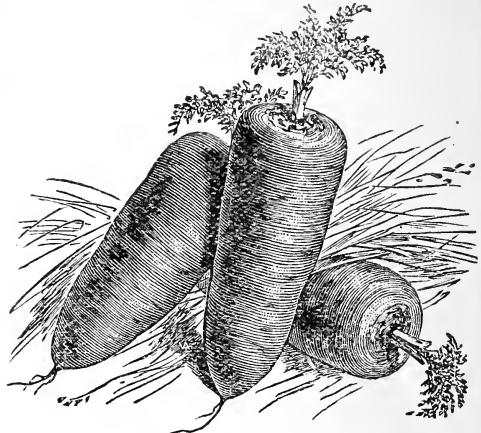
163 Oxheart—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c, postpaid. Very short and thick, four and one-half to five inches long, easily harvested; color light bright orange; flesh very delicate and sweet; early.



Early Scarlet Horn 162

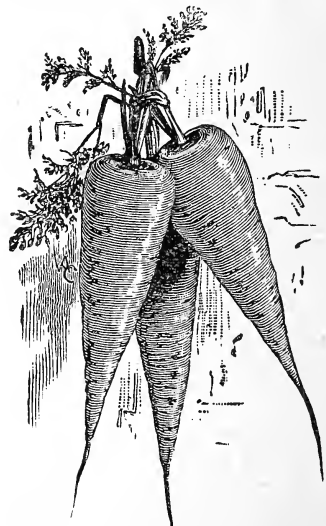
162 Early Scarlet Horn—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. Roots three inches long; color orange red, inclined to be blunt rooted, splendid for first early, or market use. Forces well in frames.

Carrot Our Carrots will please you; they are well grown, saved from the finest selected roots. The illustrations will also indicate that our selection is quite comprehensive, suited to every soil and condition.



Danvers Half Long 161

161 Danvers Half Long—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c, postpaid. Pale color, half-long semi-stump rooted. Short top. Very sweet and tender quality flesh.



St. Valery 164

164 St. Valery Long Red—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c, postpaid. Roots ten to twelve inches long, smooth, bright red, broad at the neck and tapering to a point; flesh thick, sweet and tender, suitable for field culture, does best in light deep rich soil. Good winter keeper.



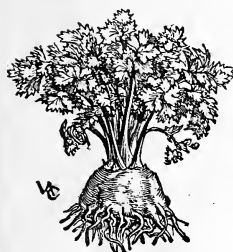
Cauliflower

Cauliflower Some people are afraid to try growing these, owing to the reputed difficulty. Try the three sorts we offer, according to our instructions, and we guarantee success.

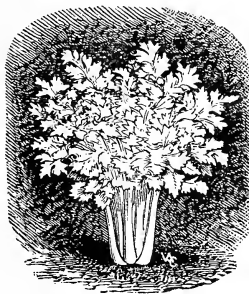
170 All Seasons, Extra Improved—Pkt., 20c; ¼ oz., 75c; oz., \$2.00; ¼ lb., \$6.00, postpaid. We gave the name "All Seasons" to this variety as it very aptly describes its characteristic. By sowing at intervals, splendid heads of Cauliflower may be available throughout the whole season. The quality is excellent and we cannot too strongly recommend it.

171 Early Snowball, Extra Selected—Pkt., 10c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$4.50, postpaid. One of the best varieties for the Northwest; early and superb quality. Our strain has been carefully selected and we know it will please you.

172 Veitch's Autumn Giant—Pkt., 10c; ¼ oz., 25c; oz., 75c; ¼ lb., \$2.00, postpaid. A large, vigorous growing late variety. The heads are large, firm, beautifully white and well protected by the large leaves.



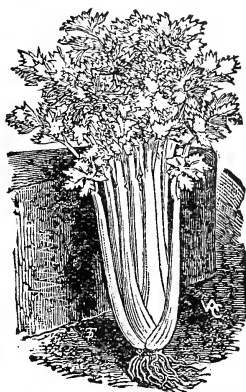
Turnip Rooted 190



White Plume 182



Giant Pascal 180



Golden Self Blanching 181

Celery

Should be in every garden. Eat lots of Celery, either cooked or raw, and you won't be troubled with rheumatism.

180 Giant Pascal—Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid. Vigorous growing, compact, productive variety. Stalks short, broad, very thick, crisp and tender, blanching readily to a yellowish white color. A very good keeper and one of the best for winter use. See illustration.

181 Golden Self Blanching (Genuine French Seed)—Pkt., 15c; ½ oz., 25c; oz., 40c, postpaid. A French variety introduced in 1883. It is undoubtedly the finest early celery in cultivation. It is perfectly solid, of a fine nutty flavor, attains a good size, and when blanched is of a handsome golden yellow color. See illustration.

182 White Plume Improved—Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., \$2.00, postpaid. Distinguished by the silver white color of its inner leaves. A very early handsome variety, easily blanched, a beautiful white color. The most popular sort in the Northwest. See illustration.

190 Celeriac or Turnip Rooted Celery—Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid. Develops instead of the usual stalks, a broad, coarse root, which is much esteemed as a vegetable for flavoring soups. Very hardy and will keep all winter if properly stored. See illustration.

Sweet Corn

nutritious, and healthful.

Sweet Corn ought to be more extensively grown than it is, occupying as it does such an important place among vegetables, being wholesome,

FIRST EARLY VARIETIES

221 Golden Bantam—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 15c per lb. Early; golden yellow in color, of highest quality. Ears six to seven inches long. Our stock has been most carefully selected. See illustration.

222 First and Best—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 18c per lb. One of the earliest maturing varieties on the market; beautiful white color. For such an early variety, produces a wonderfully large ear. Beautiful quality.

223 Early Mammoth White Cory—Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid. By express, 10 lbs. or more, at 15c per lb. The earliest and best of all extra early sweet corn. Ears ten to twelve rowed; seven to eight inches long; very sweet, tender and white. If you have not tried this, do so, it will certainly please you.

224 Whipple's Early—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 18c per lb. This variety selected and introduced by the celebrated Corn Raiser, Mr. Whipple. Yellow variety, somewhat similar to Golden Bantam or Buttercup, but is earlier than either of these varieties; is equal in quality and the ears are much larger than Golden Bantam. From trials we have seen of these varieties, we believe that it is destined to become very popular, suitable both for market or home use.

SECOND EARLY VARIETIES

225 Early Crosby—Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid. By express, 10 lbs. or more, at 15c per lb. The standard and popular variety; twelve-rowed with ears seven inches long; the grains are short and square, beautifully white, sweet and tender. One of the most popular second early varieties.

226 Howling Mob—Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid. By express, 10 lbs. or more, at 15c per lb. It is said that this variety received its name because of the fact that when the original grower brought cobs into the market to sell, so popular had they become that the crowds who pressed forward to his stand to secure their supplies, represented literally a howling mob.

Ears are from nine to ten inches long; sixteen-rowed, of a beautiful white color and of excellent quality; a good sort for general use, both for the home garden and also for the market grower.

231 Bantam Evergreen—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.35, postpaid. By express, 10 lbs. or more, at 16c per lb. A cross between Golden Bantam and Stowell's Evergreen. The ears grow about eight inches long, twelve to fourteen-rowed, matures with Howling Mob; the kernels are broad and deep, of a rich golden yellow color.

MAIN CROP VARIETIES

227 Black Mexican—Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid. By express, 10 lbs. or more, at 16c per lb. This famous old variety which will be remembered because of its unusual sweetness and delicate flavor has been much improved by selection, and the stock we now offer is sufficiently early and hardy to be grown with perfect success anywhere in the United States.

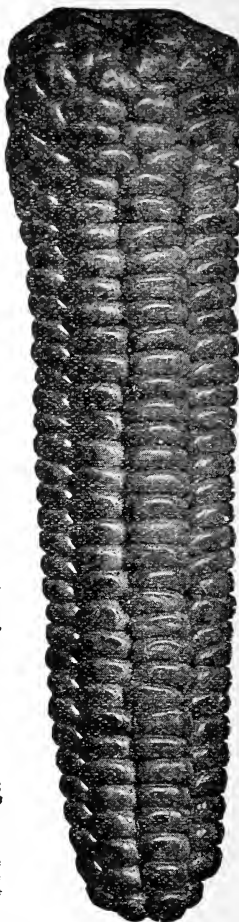
This corn when ready for the table is a beautiful clear white, but when the grain is ripe it is a peculiar black or bluish black. We recommend this as the most desirable Main Crop Variety.

228 Country Gentleman—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 16c per lb. In this standard variety the acme of perfection and quality is obtained. The ears are from 8 to 9 inches long; the cob is small, white in color and densely covered with long, white, slender grains. The formation is peculiar inasmuch as the grains are not formed on the cob in regular row formation, but are closely packed together without any apparent order. It is a heavy cropper and owing to its unusual heavy husk, it is protected in such a manner that it retains its tenderness and keeps in the "milk stage" for an unusually long time.

229 Stowell's Evergreen—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 15c per lb. The best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep sweet grain. Our strain is unusually good.

230 White Rice Pop Corn—Pkt., 10c; ½ lb., 12c; lb., 20c; 5 lbs., 80c, postpaid. By express, 10 lbs. or more, at 10c per lb. The earliest of the popping varieties and the only one that can be successfully grown in the middle and northwest. For corn for popping, see page 58.

233 Japanese Hullless Popcorn—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. If you have not tried this wonderful new popcorn you certainly ought to. Our seed was grown in South Dakota. It can be depended upon therefore to mature. Splendid flavor and a great cropper.



Golden Bantam 221



Country Gentleman 228

CUCUMBER

The Cucumber is a very useful vegetable and its culture is of the simplest nature. We have prepared a little pamphlet on the growing of Cucumbers, which we will gladly supply free of charge, with orders. A study of the list of varieties we offer will readily indicate that it is most comprehensive and includes the very best varieties. Our stocks have been grown by the most careful growers; they are true to type and will satisfy the most exacting. There are very few places either in the United States or Canada where Cucumbers cannot be grown, and their usefulness both for pickling and slicing really bespeaks for them a place in every garden. Don't forget to include a generous supply of "Cuc" seed in your order and plan to have a good patch this summer.

Fresh cucumbers gathered from your own patch are just as different as chalk is to cheese from those half wilted fruits which you buy in the store. **Moral—** Grow your own.



Early Fortune, Cool and Crisp and Long White Spine

239 Earliest of all—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid. The earliest White Spine Variety in cultivation. One week earlier than Early Fortune; should be used for first crop.

240 Extra Early Russian—Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.45, postpaid. The earliest cucumber in cultivation, hardy and productive; fruit very small.

241 Early Fortune—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.10, postpaid. The finest type White Spine yet produced. Early, very productive and disease resistant; fruits 9 inches long; slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich dark green. Splendid shipping variety. See illustration.

242 Chicago Pickling—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid. The most popular and excellent pickling sort; very uniform, productive and of good color; hardy and early.

243 Cool and Crisp—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid. A white spine type; early; pointed at both ends; good quality for slicing, but no use for pickling. See illustration.

244 Extra Long White Spine—Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.00, postpaid. The largest of the White Spine family; fruit long, thick and tapering to both ends, crisp and solid, a fine slicing sort; color light green. See illustration.

245 Japanese Climbing—Pkt. 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.10, postpaid. A distinct climbing sort for covering fences or trellises; fruit 10 inches long, thick, crisp and fine quality; color dark green.

246—Early Frame or Short Green—Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.40, postpaid. Medium sized, vigorous growing and productive variety. Good for both pickling and slicing.

247 Cucumber Long Green Improved—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35, postpaid. Well known table variety; grows 12 to 14 inches long, tapering towards the stem end; color dark green; flesh white and firm. Our stock is very superior.

248 Davis Perfect—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35, postpaid. An extra long, dark green type of White Spine; retains its color and good qualities long after being picked; the flesh is crisp and solid.

Our Cucumbers will surely please you

Miscellaneous Vegetables

All worthy of a place in your garden. If better known, would be more grown.

Cress (Pepper or Tongue Grass)—Sown with White Mustard makes an excellent Salad, most refreshing used in bread sandwiches.

210 Extra Curled—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c, postpaid. A distinct, compact growing variety, leaves deeply cut and curled at the edges. Charming pungent flavor.

211 Water—Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.50, postpaid. A distinct Cress, thriving best in moist positions, or in brooks or ditches, where its roots and stems are submerged. Makes a delicious and appetizing salad.

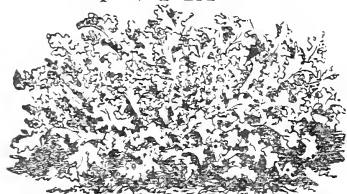


Egg Plant, New York Improved 251

Egg Plant Not so easily grown as Cucumbers, Tomatoes, etc., requires more care, but well worth the trouble.

250 Early Long Purple—Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid. One of the earliest, most hardy and productive sorts; fruits 6 to 8 inches long; rich purple and fine quality.

251 New York Improved Purple—Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid. This variety has long been a favorite with market growers. The plant grows to a large size; of a spreading nature and absolutely spineless. Each plant will usually produce 4 to 6 large oval fruits of dark purple color, the quality being second to none. For main crop, we heartily recommend this excellent variety.



Endive, Green Curled 255

Endive Excellent for salad; easily grown and remains fit for use late in the fall.

255 Green Curled—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. One of the best varieties for general use; the heads grow very close, leaves forming a dense mass and being finely curled.

Garlic—See page 35.

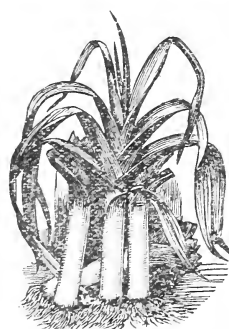
Kale or Borecole Excellent for late greens; is also much relished by poultry; improved by a touch of frost.

260 Dwarf Green Curled Scotch—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. Grows 1 to $1\frac{1}{2}$ feet high, spreading in growth, leaves intensely curled.

Kohl Rabi Turnip Rooted

Cabbage Bulbs grow above ground; are stripped and cooked like turnips, but are much sweeter and finer flavor.

270 Early White Vienna—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50, postpaid. Best for garden cultivation, early, dwarf top, fine quality. For field variety see Field Roots, page 20.



Leek, American Flag Splendid for soups, the mainstay of Scotch broth.

290 Large American Flag—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.75, postpaid. The most popular variety with gardeners everywhere; of strong growing habit, very broad leaved. If earthed up blanches beautifully, forming excellent long white plants which are a delight to the cook.

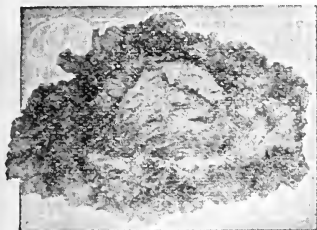
Mustard A most delicious and pungent Salad; best used in conjunction with Curled Cress.

350 Finest White—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 75c, postpaid. Very pungent and appetizing Salad.



Kohl Rabi, Early White 270

This sign **Disco** stands for highest quality in Seeds.

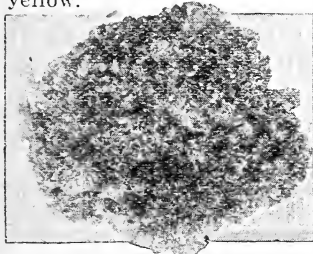


Big Boston 301

low; quality the best.

303 Grand Rapids—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00, postpaid. The favorite loose-leaved forcing Lettuce; does well in the Northwest for early planting outdoors. Leaves short, spatulate in shape, excessively crumpled, and the border heavily fringed; color very light green, with no trace of brown. A most handsome and attractive Lettuce.

304 May King—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. A handsome, extremely early, compact heading variety; leaves light yellowish green, tinged reddish-brown, while the heart blanches a rich golden yellow.



Grand Rapids 303

popular large early loose heading varieties, succeeding everywhere, and always reliable. Leaves very broad and crumpled. Color, light yellowish-green.

309 Prizehead—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 90c, postpaid. A crisp and tender loose-leaved, non-heading variety, deservedly popular. Color, medium green, shading to brown.

307 White Paris Cos—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, postpaid. Smooth, long, narrow, upright leaves and blanches nicely when tied up; color dark green; quality fine; self folding.

Mushroom Spawn

Mushrooms are not so difficult to grow as many people imagine, and as they represent such a real table delicacy, we anticipate their being grown much more extensively. A simple plan is to break up a brick in pieces the size of a pigeon's egg and put under the sod here and there in the pasture. You will be surprised at the results. Cultural instruction supplied with every order.

355 Lambert's Pure Culture—40c a brick, postpaid. By express; brick, 30c; 5 bricks, \$1.35; 10 bricks, \$2.50; 25 bricks, \$4.75. Recent trials have shown this spawn to give much better results than the English stock, no doubt owing to its being fresher and the spawn more vigorous.

Sow Lettuce Generously—the Return Will Pay You.

Lettuce

In hot weather Lettuce is always welcome on the table and nothing beats a few heads fresh pulled from your own garden.

301 Big Boston—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00, postpaid. Very popular for outside culture as well as cold frame forcing. Head large and compact; leaves broad, almost smooth; color light green, slightly tinged with reddish-brown; heart greenish-white, tinged yellow; of good quality.

302 California Cream Butter—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00, postpaid. Plant compact, heads large, globular and very firm; leaves broad, crumpled and very thick; color dark, glossy green, freely spotted deep brown; the heads blanch a beautiful creamy yellow.



California Cream Butter 302

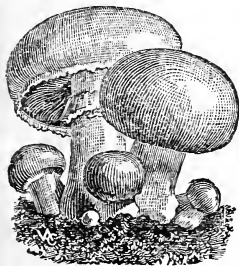
305 Tennis Ball—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c, postpaid. A very reliable, adaptable, sure heading sort; heads globular, firm and well blanched; leaves broad and much crumpled; color light green and never spotted brown; finest quality; very suitable for late sowing.

306 Way-a-head—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20, postpaid. A very early, handsome, sure heading variety; the outer leaves are light green and crumpled; the inner head blanches a rich buttery-yellow; of superior quality.

308 Black-seeded Simpson—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 95c, postpaid. One of the best and most



White Paris Cos 307



Mushroom Spawn 355

Musk Melon We pride ourselves that our strains of Musk Melon are the very finest possible. The selection we offer contains the very best of the Early, Medium and Main Crop Varieties.

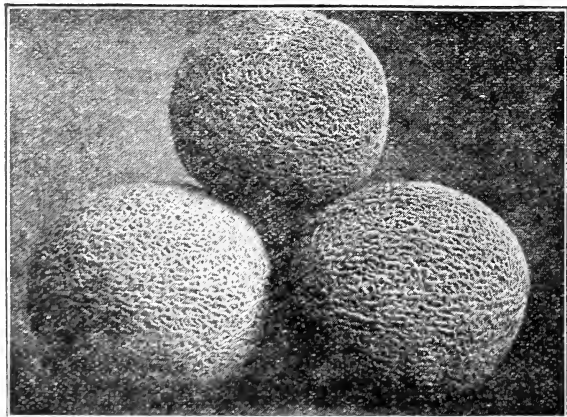
325 Banana—Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40, postpaid. When growing, just looks like a great big Banana, grows about 2½ feet long, flesh of a deep salmon color, quality very fine. Some excellent specimens were brought in to us by our customers last summer.

326 Rockyford—Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid. One of the most popular varieties of Musk Melon. Our strain is an exceptionally good one. The fruit is small, almost round, perfectly smooth, showing no ribs, flesh thick and deep green, showing a faint lining of pink and gold at the center. The quality is of the best.

327 Pollock's No. 25—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid. Very similar to Rockyford except that the flesh is salmon colored. For those who prefer this to the green flesh, we recommend this variety.

322 Jenny Lind—Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.20, postpaid. An old favorite unusually early, small, green fleshed; the fruit is round, flattened at ends, ribbed and netted. For an early variety the flesh is very attractive in flavor and quality.

328 Extra Early Osage—Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid. A distinct improvement on the old type of Osage, being also a week to ten days earlier. Fruit dark green; flesh, rich orange salmon. One of the best for general use.



Montreal Green Nutmeg 323

Mitchell has become quite famous as a shipping center for Melons. Fruits of the finest quality are shipped out in car load lots, and the industry promises to become very lucrative for the farmers of the district. Our sales of both Musk Melon and Water Melon Seed were phenomenal and all who used them were satisfied.

319 Emerald Gem—Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25, postpaid. A choice variety, the fruits being deep emerald green in color; globular or slightly flattened shape; distinctly ribbed and lightly netted; the flesh being unusually thick, sweet and of a deep, rich salmon color; the seed cavity being very small. This is an excellent variety for home use and for the local market, but we do not recommend as a shipping variety.

320 Extra Early Knight—Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.20, postpaid. An extremely early medium sized melon; the fruits being oblong; distinctly ribbed and closely netted; the flesh being fairly thick and very sweet; the color medium green blending to light pink. One of the best melons for the Northwest, and an excellent shipper.

321 Honey Dew—Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00, postpaid. This comparatively new variety is rapidly gaining in popularity and bids fair to become one of the most generally grown sorts. The fruits are large, oval shape, generally about 10 inches long and 8 inches in diameter; surface is smooth and hard without ribbing or netting; creamy white in color; the flesh being a light emerald green, very thick and ripening right to the rind. The quality of this melon leaves nothing to be desired. It keeps well and is an excellent shipping sort.

323 Montreal Green Nutmeg—Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid. This variety is possibly famed more than anything else for the unusual size to which it can be grown; fruits weighing 18 to 20 pounds, being quite common. The fruits are round, flattened at both ends; medium green color, ribbed and netted; the flesh is remarkably thick and of superior quality.

324 Petoskey or Paul Rose—Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid. Oblong in shape; color deep green, slightly ribbed, netted thick flesh; of a deep salmon color, excellent quality; grows to a popular size for market use and is an excellent shipper.

Water Melon



**Water Melons galore now a familiar sight
in the vicinity of Mitchell**

As with Musk Melon, we exercise the greatest care to insure that our stocks will be of the very finest possible quality.

330 Citron, Colorado Preserving—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid. A decided improvement on the old Preserving Citron; seeds are green; the shape of the fruit is roundish oblong; very early; hardy and productive.

331 Citron, Red Seeded—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c, postpaid. In many respects this is similar in quality and productiveness to the Green Seeded Variety. We find, however, that some growers prefer the one, while others show a preference for the other. Our experience is that there seems to be very little difference, excepting

in the color of the seed. For the purpose of suiting all tastes, however, we carry both types.

332 Cole's Early—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid. One of the earliest very hardy of medium size, nearly round, rind dark green, striped a lighter shade; flesh deep pink and excellent in quality.

333 Peerless or Ice Cream—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid. Very early, of medium size, and one of the best for the Northwest, short, oblong in form; rind thin light green; mottled and finely veined with a darker shade; flesh bright scarlet and very sweet.

334 Round Light Icing—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c, postpaid. This variety, while not as early as Cole's Early, is sufficiently early to insure its ripening in any state in the Northwest or even in Canada. It grows to a fair size, is nearly round; the flesh is a beautiful bright red, while the rind is a very light green; the quality is excellent.

335 Tom Watson—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid. In our opinion this is the best shipping melon on the market, and second to none as a Main Crop Variety; produces large size fruits; color a medium green; flesh a rich red and of excellent quality. We recommend our strain of this variety as being second to none, and suggest that this be used as the Main Crop sort.

336 Kleckley's Sweet—Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid. This melon did very well with many of our customers last season; it grows to a fairly large size, is medium early and exceedingly sweet, oblong in shape, rind very dark green, flesh bright rich red, white seeded. Not recommended for shipping but excellent for home use.

“Disco” Northern Grown Seed Potatoes

Write for our special quotations on potatoes, car lots or less.

The potato crop should occupy a more prominent place than it does. With the advent of improved machinery, for planting, digging and loading into wagons, the labor difficulty has been materially reduced. To obtain best results, it is necessary to **change seed frequently and get selected northern grown stock which has been specially grown for seed purposes.** The varieties we offer have been carefully tested, are heavy croppers and good quality.

770 Irish Cobbler—Said to have been raised by an Irish shoemaker and he sure knew a good potato. One of the most universally grown potatoes, popular from Coast to Coast. Strong grower, deep eyes, hardy constitution, tubers roundish, flattened somewhat at ends; skin creamy white, foliage deep green, flowers purple; early, good cropper and splendid quality.

771 Early Ohio—One of the earliest varieties grown; tubers round, oblong; skin light pink; deeper in color at seed end, eyes numerous, but shallow. Flowers white. Quality good.

780 Potato Eyes—For those who desire to get a new strain of potatoes, particularly in outlying districts, where freights are high and transportation is slow, we confidently recommend **Potato Eyes.** We guarantee their safe arrival in good condition for planting. If, for any reason they cannot be planted, immediately on arrival, they should be spread out thinly and covered with soil. This will retain their vitality, and if carefully planted, they will not suffer. **100 Eyes, 50 each of both varieties, \$1.25, postpaid.** Either variety of Eyes, 50c per 25 eyes, postpaid.

Our Water Melon Seed is Recognized as the Best.

Onion The Onion is one of the most important crops in the Northwest, so far as vegetables are concerned; it is also one of the most healthful vegetables eaten either raw or cooked.

There is a vast difference in the quality of different stocks of Onion Seed. Our Onion Seeds are all grown from choice selected bulbs and can be depended upon to give the best results. Our seed is all new crop of strong vitality.

360 Prizetaker—Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00, postpaid. One of the largest onions grown and the mildest, a sure cropper, globe shaped, color light straw, highly recommended.

361 Australian Brown—Pkt., 5c; oz., 20c; ¼ lb., 45c; lb., \$1.50, postpaid. Noted for its keeping qualities and productiveness; the color is quite distinct; very early, semi-globe shaped; should be given a trial in every North-western garden.

362 Danver's Yellow Globe—Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75, postpaid. One of the most popular and extensively grown varieties in the Northwest and deservedly so; the outer skin is reddish brown, lemon colored underneath; medium size; very early, and a good keeper.

363 Large Red Wethersfield—Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid. Probably the oldest and best known type of onion. A fine, large, handsome variety with bright red colored somewhat flattened bulbs and purplish white flesh. Very productive and a good keeper.

364 Southport Red Globe—Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid. The finest type of red onion in cultivation; perfect globe shaped with a small neck; excellent keeper; color a deep purplish red. Our strain of this variety is particularly good.

365 Strassburg—Pkt., 5c; oz., 20c; ¼ lb., 45c; lb., \$1.50, postpaid. The most popular variety for growing Yellow Dutch Onion Sets. The sets from this variety are uniformly round, plump, and a bright yellow color. Full grown onions are bright yellow, somewhat flattened in shape; the flesh is white and mild.

380 Southport Yellow Globe—Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75, postpaid. A beautiful globe shaped onion, color deep golden yellow, small neck and heavy thick skin, flesh white, crisp and mild in flavor; excellent shipping sort.

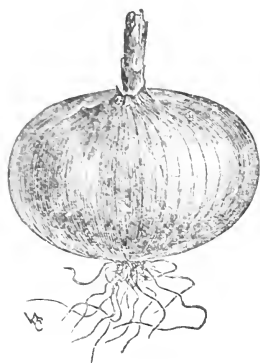
381 Southport White Globe—Pkt., 5c; oz., 25c; ¼ lb., 85c; lb., \$2.75, postpaid. Globe shaped, skin of purest paper white, flesh very crisp, fine grained and snowy white in color, exceedingly mild.

Pickling Varieties

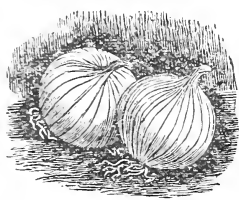
382 White Barletta—Pkt., 5c; oz., 30c; ¼ lb., 90c; lb., \$3.00, postpaid. Bulb small, beautiful white color, flat on top and conical at the bottom. Extremely early and a most valuable pickling sort.

383 Silverskin—Pkt., 5c; oz., 30c; ¼ lb., 90c; lb., \$3.00, postpaid. This variety is most adaptable. If sown thickly will form small white bulbs suitable for pickling, or if thinned out will produce large shaped bulbs of excellent keeping quality. It is also used for the production of White Dutch Sets.

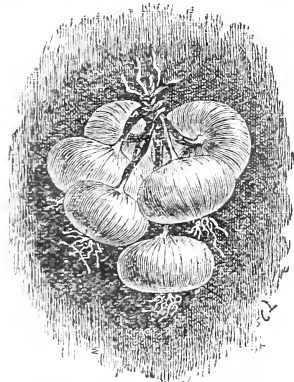
385 White Welsh—Pkt., 10c; oz., 35c; ¼ lb., \$1.00, postpaid. Does not form a bulb like other onions, but only a small enlargement at the base of each shoot. Good for bunching. Ready for use very early in the spring, comes up every year.



Prizetaker 360



Southport White Globe 381

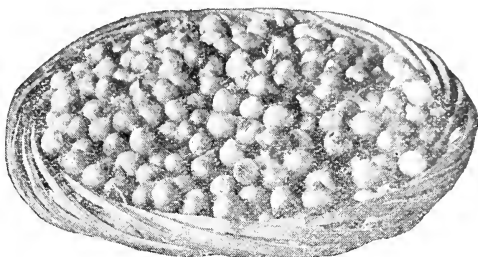


White Barletta 382



White Welsh 385

Onion Sets The small onion sets for the production of onions are very popular in the Northwest, as they can be used or sold earlier as a rule, which is an important feature. In buying sets, care should be exercised to see that they are in good planting condition. In the very nature of things the production of sets is an interference with nature and the natural growth of the onion, and in consequence they require special care and attention to ensure that they will be kept in good condition, ready to grow and mature quickly when planted. Sets sold throughout the country in very many instances are given no attention whatever, and in consequence cannot be expected to produce the maximum crop.



	1-lb.	(Postpaid)	2-lb.	4-lb.
390 Yellow Dutch Onion Sets.....	25c		45c	85c
391 White Dutch Onion Sets.....	30c		55c	\$1.00
392 Red Dutch Onion Sets.....	25c		45c	85c
393 Yellow Multiplier Onion Sets.....	35c		65c	\$1.20
394 Garlic Sets	45c		80c	\$1.50

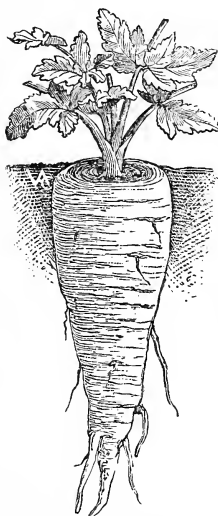
Write for prices on larger quantities.

Parsnip

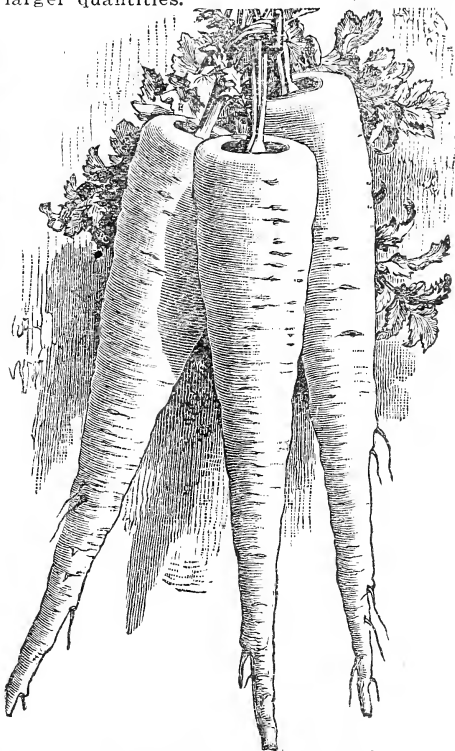
A valuable and nutritious vegetable for table use; also excellent for stock feeding.

410 Hollow Crown
—Pkt., 5c; oz., 15c;
¼ lb., 40c; lb., \$1.25,
postpaid. Long,
smooth root, of good
quality; heavy crop-
per.

411 Large Guernsey
—Pkt., 5c; oz.,
15c; ¼ lb., 40c; lb.,
\$1.25, postpaid.
Shorter and thicker
in the root than
“Hollow Crown”; an
excellent market
gardener's variety.



Large Guernsey
411

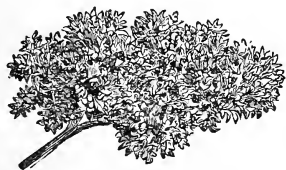


Parsnip Hollow Crown 410

Parsley Very useful for flavoring soups and for garnishing.

400 Champion Moss Curled—Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid. A compact growing, densely curled variety of a dark green color, very popular for garnishing.

401 Hamburg or Turnip Rooted—Pkt., 5c; oz., 35c; ¼ lb., \$1.00, postpaid. The edible roots of this variety resemble a small, thick parsnip, both in shape and color; much used for flavoring soups and stews.



Champion Moss Curled 400



Little Marvel 423

EARLY VARIETIES

420 Gradus Improved—Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 20c per lb. Quite as early as the old type of Gradus or Prosperity, but a much heavier and more certain cropper. Growers who have grown the old type will remember its unfortunate habit of throwing small pods. This has been entirely eliminated from the new type. Height 3 feet.

421 American Wonder—Pkt. 10c; $\frac{1}{2}$ lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb. Probably the most popular early Pea on this continent. The foliage is a dark color, while the pods, which are borne in great profusion, are lighter in color, small size, square ended; heavy cropper; height 1 foot.

422 Little Gem—Pkt. 10c; $\frac{1}{2}$ lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb. Just a trifle later and a few inches taller than the foregoing. If sown at the same time, will maintain a succession. Height $1\frac{1}{2}$ feet.

423 Little Marvel—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 21c per lb. An extra fine dwarf, sweet flavored Pea. Foliage and pods very dark green; pods 3 inches long, nearly round, and square ended; very productive; height 14 inches.

424 Notts Excelsior—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb. A very early dwarf growing variety, of branching habit. The pods are small, blunt ended, while the peas are of a delicious flavor. A heavy cropper. Height $1\frac{1}{2}$ feet.

426 Richard Seddon—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 22c per lb. A dwarf growing, productive variety, of excellent quality. Height 15 inches.

456 Sugar Dwarf White Edible Podded—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid. By express, 10 lbs. or more, at 23c per lb. Differs from other peas, in that the pods can be used similar to string beans, 2 feet high, pods light green, $2\frac{3}{4}$ inches long, pointed and narrow, very early.

Peas

Peas are an ever increasing and more important crop. Our stocks have been selected with the greatest care. The varieties are such as will succeed well, and the quality is of the very best. By a judicious use of **Early, Second Early and Main Crop Varieties**, a succession throughout the whole season can be maintained.

SECOND EARLY VARIETIES

440 Daisy—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb. 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb. May be best described as an early Stratagem; fairly productive and of excellent quality. Height 2 feet.

442 Thomas Laxton—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 36c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 24c per lb. An excellent Second Early, coming into use almost immediately after "Gradus" and much more productive than this excellent variety. Height $2\frac{1}{2}$ feet. Haulms moderately stout; medium green in color; pods usually between 3 and 4 inches long; straight; nearly round and square ended; the peas are a beautiful dark green color, of excellent quality.

MAIN CROP VARIETIES

449 Duke of Albany—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 34c; 5 lbs., \$1.50, postpaid. By express, 10 lbs., or more, at 22c per lb. The earliest Main Crop Variety, coming into use immediately following the last of the Second Earlies; vigorous growing and unusually productive; pods beautiful dark green, nearly 5 inches long, broad and pointed; excellent for exhibition and a splendid market sort.

450 Rentpayer—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 36c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 24c per lb. This is undoubtedly one of the finest peas in cultivation; quality is beyond compare, and an excellent cropper; height $2\frac{1}{2}$ feet.

451 Improved Stratagem—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 23c per lb. One of the best known Main Crops, and the most popular. Vines stout, of a dark green color; pods usually $4\frac{1}{2}$ inches long; slightly curved; pointed and dark green.

452 Telephone—Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 23c per lb. An old favorite, popular in Great Britain for many years; grows to a height of 4 feet and produces a great wealth of podded peas which are borne on strong haulms. To obtain the maximum results, they should be rodged or brushed with rods not less than from 5 to 6 feet high. If this is carefully attended to, the plants will bear excellent pods for quite a long period. The pods average $4\frac{1}{2}$ inches long, are straight, broad and pointed, usually containing 8 large light green peas of delicious flavor.

Remember We Pay Postage on All Garden Seeds.



Pepper Bull Nose 465

Pepper Splendid for seasoning and for making chow chow and Chili sauce.

465 Large Bell or Bull Nose—Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00, postpaid. This first early variety is very popular in the Northwest, being well adapted for pickling purposes; the scarlet fruits are 2 inches in diameter, 3 inches long, blunt at the end, while the flavor is mild and sweet.

466 Long Red Cayenne—Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid. A very popular variety; the fruits average 4 inches long and $\frac{3}{4}$ inches in diameter; they usually grow in a peculiar curved and twisted manner; are a bright red color. The name is rather apt as they are unusually hot and pungent.

467 Neapolitan—Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50, postpaid. The earliest and most productive large variety and one of the sweetest. Fruit bright red; 4 inches long and 2 inches thick.

468 Red Cherry—Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50, postpaid. Fruits small, round or cherry-shaped; rich scarlet and very hot.

Peanuts Contrary to the opinion expressed by many, peanuts can be successfully grown in the Northern States. The main thing is to sow seed of a hardy type which has been northern grown, and consequently acclimatized.

466 Early Sweet—Pkt., 10c; lb., 30c; 5 lbs., \$1.20, postpaid. We believe this to be without exception the best variety to sow in the Northern States; it stands both heat and drought admirably and is the earliest variety to ripen. The nuts are deliciously sweet. Can be grown in any light, sandy soil where potatoes succeed well.

Instead of giving cultural directions in this Catalog we have printed a Special Leaflet, containing much useful information, which accompanies every order for seeds. In addition we gladly mail any of the Free Booklets to customers.



Peanut Early Sweet 460

Pumpkin Always in demand for pies; easily grown. Our stocks of pumpkin, like everything else, are especially selected for the Northwest.



Early Sugar Pumpkin 480

480 Early Sugar—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c, postpaid. Fruits small, round, flattened at the ends and slightly ribbed; skin and flesh deep orange yellow; flesh very thick and of good quality.

481 Japanese Pie—Pkt., 5c; oz., 20c; $\frac{1}{4}$

lb., 60c; lb., \$1.50, postpaid. Grows to a large size; skin deep green with dark stripes; flesh deep yellow and of high quality; the seeds are sculptured like Chinese letters.

482 King of the Mammoths—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.10, postpaid. This well known variety is without doubt the giant among pumpkins; specimens having been grown weighing as high as 250 pounds and measuring 2 feet or even more in diameter; the fruits are round and flattened, slightly ribbed, while the skin is a salmon-orange; the flesh being bright yellow and very thick. Useful alike for pies or stock feeding. An excellent keeper.

483 Large Cheese or Kentucky Field—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c, postpaid. Large, round, flattened fruits, much ribbed and creamy buff in color; flesh yellow and very deep; of fine quality and one of the best canning sorts.

484 Connecticut Field—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c, postpaid. The most popular variety for planting in corn for stock feeding and also for making pies; fruit oblong, flattened at the ends, smooth hard, reddish orange skin, with orange yellow flesh.

All Vegetable and Flower Seeds prepaid unless otherwise stated.



Rosy Gem 491

Radish Welcome at every meal, and being so easily grown, there is no excuse for their absence.

TURNIP OR ROUND SHAPED VARIETIES.

491 Rosy Gem—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid. Deep scarlet on the top, blending into white at the bottom. A very fine sort either for forcing or open ground culture.

492 Scarlet Globe—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid. A bright red variety, with firm, crisp, tender flesh; grows to a large size without becoming pithy.

493 Scarlet Turnip White Tipped—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c, postpaid. Extra early forcing variety, valuable also for ordinary outdoor use.

494 Non Plus Ultra—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid. Very early, bright scarlet, with short top; useful for forcing; crisp and tender.

495 White Globe—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid. A beautiful white skinned variety; tender and crisp.

496 Turnip Varieties—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c, postpaid. For home use, sowing in mixture is very desirable, and recommended, as it enables one to have a varied selection at small cost and in a small space.

OLIVE, OR OVAL SHAPED

497 French Breakfast—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid. The most popular variety of radish; oblong in form, small and quick growing; color bright rose scarlet, with small white tip.

498 Early Scarlet Olive Shaped—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid. Very early, bright scarlet; flesh white and crisp.

499 Early White Olive Shaped—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid. Handsome, small, white, quick growing variety; mild, crisp and tender.

LONG SHAPED VARIETIES

500 Chartier—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c, postpaid. A very handsome variety; roots 7 to 8 inches long, and rather thick; deep scarlet at the top, shading off to pure white at the tip.

501 Icicle—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c, postpaid. The leading long white radish and one of the earliest; beautiful quality, and remains fit for use a long time.

504 Long Brightest Scarlet—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid. One of the best and earliest of the long scarlet radishes, crisp and tender until full grown.

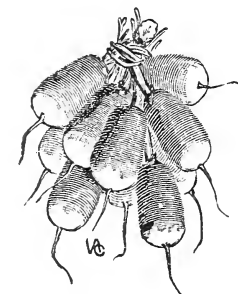
503 Mixture—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid. A mixture of all summer varieties for home use; the selection is A-1.

SALSIFY, OR VEGETABLE OYSTER

525—Mammoth Sandwich Island—Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50, postpaid. Cultivated for the sake of its yellowish white roots which are stored for use as a winter vegetable. The leaves of this new variety may be used as a salad.

RHUBARB OR PIE PLANT

521—Victoria—Pkt., 5c; oz., 20c; ¼ lb., 60c, postpaid. Well known standard variety. Good for general use.



French Breakfast 497



Salsify 525

For remainder of Radish, see next page.

Our Radishes Will Surely Please You.

RADISH, Continued

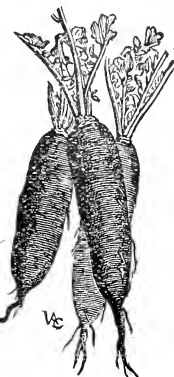
FALL OR WINTER VARIETIES

This type of radish is not grown as extensively as it ought to be, considering its excellence. The foreign born non-English speaking settlers seem to have appreciated its usefulness. Sown in June or July, they will grow 6 inches long and 2 inches in diameter, and will keep all winter if stored in sand in a cool cellar free from frost. Try them.

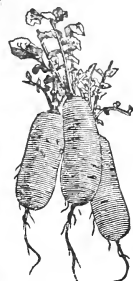
510 Black Spanish, Round—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c, postpaid. Roots round, 3 to 4 inches in diameter; skin almost black; flesh white, crisp and pungent.

511 Black Spanish, Long Shaped—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid. One of the latest and hardest varieties for winter use, roots 8 to 9 inches long, 2 to 3 inches in diameter, and nearly black in color.

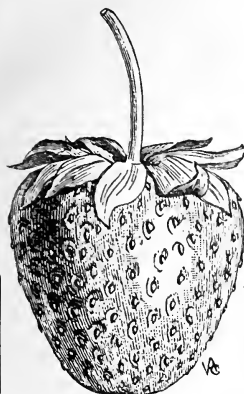
512 China Rose (Scarlet China)—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid. One of the best winter sorts; skin smooth, and bright deep rose color; flesh white, crisp and pungent; the roots grow 4 to 5 inches long and 2 inches thick.



Long Black Spanish 511



China Rose 512



Strawberry

The raising of Strawberry Plants from seed is very simple; they are easily grown. Sow the seed thinly, in a small box or seed pan, cover very slightly and press down firmly. Water by dipping in a bucket or other vessel so as not to disturb the seed. Thin out as soon as young plants are fit to handle.

570 Large Fruited Perpetual Saint Fiacre—Pkt., 10c, postpaid. Fruit oblong or heart-shaped, large size; of a good red color; flesh salmon pink; very juicy, slightly acid, of excellent flavor.



Spinach, Long Standing 536

540 New Zealand—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid. Entirely distinct from the true Spinach; plant tall and spreading, with numerous side shoots; leaves medium green, rather small and pointed; grows well in hot weather and under adverse conditions.

For Spinach Beet or Swiss Chard, see page 24.

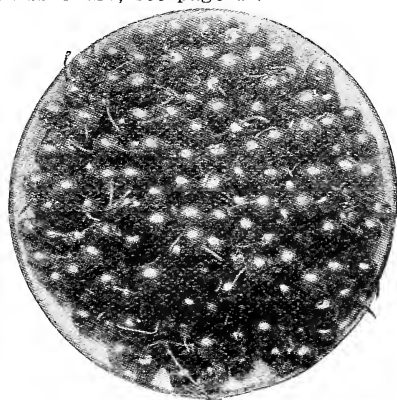
Spinach Very easily grown, and will give a plentiful supply of tasty, healthful greens throughout the season.

535 Bloomsdale or Savoy—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid. Very early and hardy and one of the best for market and canning; plant of upright growth; Petiole (Stem) 3 inches long; leaves medium size; color glossy green.

536 Long Standing, Round Seeded—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid. Slower growing than Bloomsdale, but stands much longer before running to seed; leaves very large and of good substance.

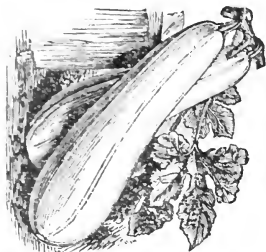
530. Solanberry Pkt., 10c. This, as

its name signifies, belongs to the Solanum family, and is closely allied to the Tomato, being sometimes described as the Black Currant Tomato. We recommend it very highly, have been watching it for several years, and believe it to be one of the best acquisitions of its kind for the Northwest. It is perfectly hardy, will stand frost that puts Beans, Corn, Tomatoes, etc., entirely out of business. Ripe fruits can be gathered from August 15th till late in October. Easily grown, the main thing is to give them plenty of room, one plant will occupy a space of 3 to 4 feet square. Can either be sown in pots or boxes like Tomatoes and then transplanted to the open or sown in the open ground whenever it is fit, and thinned out. Useful for pies, pickles, sauces, etc., either alone, or mixed with other fruits.

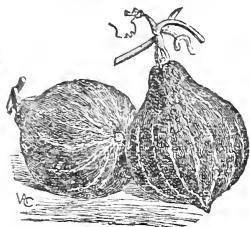


Solanberry 530

We Specialize in Hardy, Early Varieties.



Long White Bush Marrow 556



Improved Hubbard 553

35c; lb., \$1.20, postpaid. Very early summer; fruit flattened and scalloped, comparatively smooth on the surface and creamy white color.

559 **Mammoth Whale**—Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.70, postpaid. Fruit 2 to 3 feet long, thick in the middle and narrowed at the stem end, sometimes weighing 75 pounds; skin gray green; flesh orange yellow, of excellent quality.

556 **Vegetable Marrow, Long White Bush**—Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., \$2.00, postpaid. The well known Long White English Vegetable Marrow; the fruits are smaller than the trailing variety, but the plants take up much less space and can be planted closer.

557 **Vegetable Marrow, Long White Trailing**—Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., \$2.00, postpaid. Fruits larger and a more abundant cropper.

TOMATO

A most popular and wholesome vegetable; can be easily grown if attention is paid to cultural instructions, supplied free with every order.

581 **Bonnie Best**—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. A very early variety; fruits medium size; good market sort; free from hard core.

582 **Crimson Cushion**—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. The largest of the bright red colored tomatoes; heavy cropper, of excellent quality.

583 **DISCO Earliana**—Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00, postpaid. Our strain of this excellent variety is second to none and is, we believe, the earliest and best tomato in cultivation; unusually productive for an

early sort; the fruits are of a medium size, round; very smooth and solid; the color is a bright scarlet; the flesh is of excellent quality and has, by careful selection, been developed so as to be as free as possible from seeds.

584 **Golden Queen**—Pkt., 5c; oz., 30c; ¼ lb., 80c, postpaid. Beautiful golden yellow color; ripens early; produces a large, smooth, solid fruit; very attractive and admirable for mixing with the Red variety for salads.

585 **John Baer**—Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid. Our stock of this excellent variety is of very uniform type; early, productive and of excellent quality. Splendid variety for shipping.

SMALL FRUITED VARIETIES

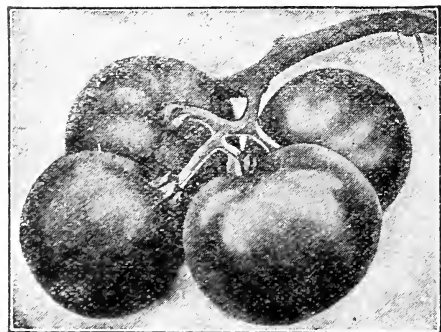
590 **Pear Shaped Red**—Pkt., 10c; oz., 40c, postpaid. Useful for preserves. Fruits distinctly pear-shaped, beautiful bright red color.

591 **Pear Shaped Yellow**—Pkt., 10c; oz., 40c, postpaid. Similar to the Red Variety, with exception of color.

592 **Red Cherry**—Pkt., 10c; oz., 45c, postpaid. Fruits very small, about the size of a large cherry; smooth and round; for preserves.

593 **Strawberry (Ground Cherry or Husk)**—Pkt., 10c; oz., 45c, postpaid. The true Golden Husk Tomato; esteemed for preserves.

594 **Yellow Plum**—Pkt., 10c; oz., 40c, postpaid. A small yellow fruited variety, resembling a plum in size and form.



Disco Earliana 583

Disco Earliana Is a Wonderful Cropper.



Purple Top Strap Leaved 611

Turnip

If grown quickly and used as soon as ready, before they become stringy, the small garden turnips are a delightful vegetable. For late use, DISCO Garden Swede is more desirable.

610 Purple Top Strap Leaved—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid. A very early productive variety. Roots are flat shaped, medium size, purple or dark red above ground, white below; flesh is white, exceedingly tender and fine grained. The most widely cultivated and best known variety on the American continent.

611 Purple Top White Globe—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid. Very similar to the above in every particular excepting in shape, being a perfect globe shape, whereas the other variety is somewhat flat. A very superior sort and we highly recommend it.

Swede or Rutabaga

614 DISCO Special Garden or Table Swede—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid. Recommended for garden purposes, being very compact in top, with small, clean, neat, well shaped roots, thick skin and sweet tender flesh.

Herbs Pot Sweet and Medicinal, each per pkt., 5c.

630 Anise. Used as a condiment for flavoring.

635 Balm. An old fashioned seasoning.

636 Basil Bush. In demand for flavoring.

637 Basil Sweet. Very aromatic for flavoring.

638 Borage. A beekeeper's plant.

639 Caraway. The seeds are used for flavoring.

640 Catnip. Grown for bee pasture; also seasoning.

641 Coriander. The seeds are used for flavoring.

642 Dill. For flavoring pickles.

643 Fennell. For garnishing and flavoring sauces.

650 Horehound. Very useful for coughs.

651 Hyssop. Great medicinal value.

655 Lavender. Very fragrant perfume.

660 Marjoram Sweet. For seasoning.

670 Rosemary. Leaves very fragrant.

671 Rue. Used medicinally.

680 Sage. Most useful aromatic herb.

681 Savory Summer. Useful aromatic herb.

690 Thyme. Useful aromatic herb.

695 Wormwood. Good poultry medicine.

Tree Seeds

Surround your house with trees, shrubs, and a hedge here and there, plant them judiciously, not too close, so that in time they will darken the house and be a nuisance, but close enough to afford shelter and privacy and make your place more homelike.

The most economical and in the long run the most successful method of raising trees and shrubs, whether for hedges, wind breaks or as ornamental trees around the home, is to raise them from seed, right at your own home. The list offered by us is a careful selection, easily raised, grow quickly and well adapted for the North-west and Middle West States.

Those marked with an asterisk * are suitable for hedges and should be sown thinly either in 2 or 3 rows 9 inches apart, according to whether a narrow or wide hedge is desired, just where you want the hedge, the ground having been previously well prepared, no transplanting or thinning will be required. If clipped carefully when about 12 inches high, this will encourage branching and so ensure a close growing, nice appearing hedge. Caragana makes the best hedge.

Trees for transplanting should be sown in drills 12 inches apart and the young trees transplanted as soon as large enough to handle, lift carefully so as to disturb the roots as little as possible.

TREE, ORNAMENTAL SHRUB AND FRUIT SEEDS

	It is intensely interesting to watch trees growing which you have raised from seed.	Postpaid			
		Pkt.	Oz.	¼ lb.	½ lb.
800	Ash, Green (<i>Fraxinus veridus</i>)	.10	.15	.35	.50
801	Ash, White (<i>Fraxinus Americana</i>)	.10	.15	.35	.50
802	Ash, Mountain (<i>Sorbus Americana</i>)	.10	.40	1.35	2.50
803	Birch, White (<i>Betula alba</i>)	.10	.40	1.20	2.00
804	*Caragana (<i>Siberian pea tree</i>)	.10	.30	.90	1.50
805	Cottonwood (<i>Populus deltoides</i>)	.10	.30	.90	1.50
806	*Fir Balsam (<i>Abies Balsamea</i>)	.15	.50	1.60	3.00
807	*Honeysuckle, Tartarian (<i>Lonicera tartarica</i>)	.10	.60	1.75	2.50
808	Larch or Tamarack (<i>Larix laricina</i>)	.25	1.00		
809	*Lilac (<i>Syringa vulgaris</i>)	.10	.35	.90	1.60
810	*Maple, Soft (<i>Acer Negundo</i>)	.10	.15	.35	.50
811	*Maple, Ginnalian (<i>Acer tartaricum</i>)	.10	.50	1.25	3.00
812	Olive, Russian (<i>Elaeagnus angustifolia</i>)	.10	.15	.45	.80
813	Pine, Scotch (<i>Pinus sylvestris</i>)	.10	.50	1.80	3.25
814	*Plum, Native (<i>Prunus niger</i>)	.10	.30	1.00	1.75
815	Spruce, Black (<i>Picea nigra</i>)	.25	.75	2.75	5.00
816	Spruce, Norway (<i>Picea excelsa</i>)	.10	.50	1.80	3.25
817	Spruce, White (<i>Picea alba</i>)	.20	.75	2.50	5.00

Our Tree Seeds Are Giving Great Satisfaction

Disco Giant Flowering Sweet Peas



Constance Hinton Spencer

WE CORDIALLY INVITE YOU TO GIVE OUR SWEET PEAS A TRIAL. WE ARE
CONFIDENT THEY WILL PLEASE YOU.

SWEET PEAS

Instead of listing our Sweet Peas in alphabetical sequence under their generic classification, we list them by themselves. We do this because of the importance we attach to this beautiful race of Flowers.

Everybody loves Sweet Peas—they are so easily grown, and at the same time no other annual flower responds more readily to good cultivation and proper care. Our selection of varieties is excellent and represents the best in their respective colors.

Disco Giant or Butterfly Spencers

Select List, Large Packets 10c each.

2010 **Barbara**—Large salmon orange.
 2021 **Cherub**—Rich cream edged rose.
 2022 **Constance Hinton**—White, of enormous size and fine Spencer form.
 2030 **Dainty Spencer**—Large white edged with clear rose pink.
 2031 **Dobbie's Cream**—The best primrose self, grand color.
 2032 **Don Alvar**—Large light lavender, pleasing color.
 2040 **Elfrida Pearson**—Large shell pink, a leader in its class.
 2051 **Fiery cross**—Bright red orange cerise, very beautiful.
 2060 **George Herbert**—Bright rosy carmine, of large size.
 2070 **Helen Pierce**—White mottled and marbled bright blue.
 2071 **Hereules**—Mammoth rosy pink, fine form and color.
 2080 **Illuminator**—A glorious orange salmon, overlaid with cerise pink.
 2100 **King Edward**—Rich crimson self, vigorous grower.
 2101 **King Manoel**—Giant chocolate maroon self.
 2102 **King White**—A superb white, the best for the Northwest.

2110 **Lord Nelson**—Dark blue.
 2120 **Margaret Atlee**—Apricot pink on cream ground.
 2121 **Mrs. Cuthbertson**—Pink and white bicolor, best of its class.
 2123 **Mrs. Hardeastle Sykes**—Delicate bluish pink, a great favorite.
 2130 **New Margaret Madison**—True lavender, a very dainty flower.
 2131 **New Miriam Beaver**—Soft shell salmon pink on cream ground.
 2140 **Orehid**—Lavender suffused pink.
 2160 **Rosabelle**—Bright rose, one of the very best, fine form.
 2171 **Royal Purple**—The very best purple variety, aptly named.
 2180 **Senator**—Claret and chocolate stripe on light heliotrope.
 2191 **The President**—Dazzling orange scarlet, fine flower.
 2200 **Vermilion Brilliant**—Fine large scarlet, the best of its class.
 2210 **Warrior**—Rich chocolate and maroon, a fine type.
 2211 **Wedgewood**—Clear, azure blue, with mauve tint.

New Early Flowering Long Season Spencers

The development and perfecting of this new race is destined, we believe, to increase the usefulness of this the most popular annual flower in the wide world. The history of its discovery is very interesting and dates back to 1889. At that time only one variety, so far as is known, had developed these early flowering characteristics, viz., Extra Early Blanche Ferry. Since that time the genius of the hybridizer and selector has been busy, in fact unceasing in their labors, and as a consequence we have today almost as comprehensive a range of color in the Early type as in the standard Spencers.

These early varieties are admirably adapted for greenhouse work, also for the Northwest. The fact that they will bloom about a month earlier is of inestimable value where short seasons are experienced. They also thrive better and continue longer in flower in Southern states where extreme heat is experienced.

2250 **Early Heatherbell**—A very pleasing color, being a rich mauve which changes to a mauve lavender after being cut and standing in water for a little while. Flowers are large, borne in fours, with stout stem. Pkt., 10c.

2255 **Early Melody**—Exquisite rose pink on white ground, very similar to the famous Countess Spencer. Very free flowering and a most attractive flower. Pkt., 10c.

2260 **Early Morning Star**—This is a very popular flower, the standard being a deep orange scarlet and the wings a rich orange pink; produces large flowers, three and four on a stem. Pkt., 10c.

2265 **Early Snowflake**—The best early white variety. The flowers are large, of good substance and borne profusely. An excellent variety for market use. Pkt., 10c.

2270 **Early Songbird**—An excellent pale pink variety which is very desirable for

cutting. The flowers are borne on long stems, with mostly four large, well waved blossoms to each stem. Pkt., 10c.

2275 **Early Spring Maid**—A beautiful cream pink variety; very strong grower. Flowers large and vines quite floriferous; cream ground flushed rose pink. Pkt., 10c.

2280 **Early Wedgewood**—A very telling flower of beautiful bright blue color; quite distinct. Pkt., 10c.

2290 **Yarrawa**—Of Australian origin. The introduction of this variety really attracted more attention to this new strain than did the original or first variety. The color is a bright rose pink, with a clear creamy base, the wings being slightly lighter in color; flowers large and beautifully waved. Pkt., 10c.

2295 **Early Flowering Mixed**—A choice mixture of the best of the early flowering varieties. Pkt., 10c.

2220 **DISCO Spencer or Butterfly Mixture**—Pkt., 10c; oz., 25c; ¼ lb., 75c. A beautiful blend of 75 Spencers including many new varieties. The choicest mixture to be had.

2225 **DISCO Grandiflora Mixture**—Pkt., 5c; oz., 15c; ¼ lb., 50c. A splendid assortment of finest colors, blended to harmonize and insure a fair proportion of all.

Disco

General
List of

Choice Flower Seeds

For the convenience of our customers we have listed our Flower Seeds according to their classification, viz., **Hardy or Half Hardy Annuals, Hardy Annual Climbers, Hardy Biennials and Perennials, Half Hardy Perennials** and plants suitable for Window, Table and House Decoration. We are very anxious to see more flowers grown in and around our Farm Homes. We believe that no investment pays such handsome dividends as a few cents spent in Flower Seeds. You can begin with the easily grown Hardy Annuals, and we predict that you will not be very long till you become an enthusiast and recognize that Flowers are not a luxury nor an expense, but are a source of real pleasure, and once a taste has been cultivated for them, a veritable necessity. We will be glad to help you in making a suitable selection. Our services are very gladly at your disposal.

Showy Annuals for Beds and Borders

Easily raised from seed.

Those marked "H. H. A." signify Half Hardy Annuals, are best sown in pots or boxes indoors and transplanted to their flowering quarters when the weather is favorable. Those marked "H. A.," Hardy Annuals, may be treated in the same manner but may also be sown right out of doors. If sown lightly and the plants thinned out after they have germinated, they will give excellent results.

We recommend our customers to write to U. S. Dept. of Agriculture, Washington, for a copy of Farmers' Bulletin No. 195.



2500 Abronia — Umbellata, lilac fragrant, H. H. A., 3-inch. Sand verbena, grows well in dry conditions. **Pkt., 5c.**

**2560 Bar-
tonia — aurea**, deep rich yellow, H. A., 12-inch. Beautiful poppy - like. **Pkt., 5c.**

**2565 Brachy-
come — iberidi-
folia**, blue, H. H. A., 6-inch. Swan River Daisy, lovely. **Pkt., 10c.**

**2568 Calen-
dula — officinalis** fl. pl. Meteor, H. A., 12-inch. Scotch Marigold, double. **Pkt., 5c.**



2506 Ageratum—Imperial Dwarf Blue, H. H. A., 6-inch. **Pkt., 5c.**

2507 Ageratum—Imperial Dwarf White, H. H. A., 6-inch. **Pkt., 5c.**

Fine bedding plants blooming till late in fall.

ASTERS

H. H. A. each. **Pkt., 10c**

Our selection of Asters is the finest ever offered to the garden lovers of the Western States. Easily grown, provide abundance of cut flowers.

2531, Comet, mixed, 18-inch.

2534, Comet, Giant mixed, 18-inch.

2537, Dwarf Chrysanth., mixed, 9-inch.

2539, Dwarf Victoria, mixed, 9-inch.

2542, Sinensis, Mauve, 18-inch.

2543, Sinensis, 18-inch. Lovely single forms of the original Chinese Aster.

Showy Annuals—Continued



2515 Amaranthus, caudatus, H. A., 24-inch. Love-lies-bleeding red. **Pkt., 5c.**



2512 Alyssum, Benthami Sweet Alyssum, H. A., 4-inch. Valuable for edgings. **Pkt., 5c.**

2513 Alyssum, Benthami Compactum, H. A., 4-inch. Little Dorrit, very dwarf. **Pkt., 10c.**



Clarkias should be in every garden; easily grown; make a gorgeous display.

2611, elegans, double, mixed, H. A., 24-inch. **Pkt., 5c.**

2613, pulchella, mixed, **Pkt., 5c.**

2614, puechella, double, mixed, H. A., 24-Inch. **Pkt., 5c.**



Calliopsis

Easily grown; succeed anywhere; showy in the flower border and provide graceful, attractive cut bloom of unique colors.

2569 tinctoria (bi-color), H. A., 24-inch. **Pkt., 5c.**

2571 tinctoriana "Golden Ray," H. A., 12-inch. **Pkt., 5c.**

2574 Dwarf mixed, H. A., 9-inch. **Pkt., 5c.**

2575 Drum, Golden Wave. H. A., 18-inch. **Pkt., 5c.**



Celosia

2592 Celosia, pyr. Thompson magnifica, H. H. A., 18-inch. Extra choice, splendid variety. **Pkt., 10c.**



2632 Cyanus, Minor, blue, H. A., 24-inch. **Pkt., 5c.**

2633 Cyanus, Minor, mixed, H. A., 24-inch. **Pkt., 5c.**

The popular Cornflower or Bachelor's Button.



2559 Balsam, Double Camellia-flowered, H. H. A., 24-inch. A splendid pot plant. **Pkt., 10c.**



Candytuft

H. A., 12-in, each. **Pkt., 5c.**

One of the brightest and easiest grown hardy annuals. Gives a gorgeous display through the season.

2576 Empress White.

2578 Dunnett's Crimson.

2581 mixed, extra choice.



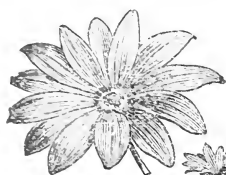
2598 Chrysanthemum, coronarium, mixed, double, H. A., 18-inch. Splendid for cut flowers. **Pkt., 5c.**

2600 Inodorum, double white, H. A., 18-inch. Very showy for border. **Pkt., 10c.**

2601 Tricolor album (carinatum), H. A., 18-inch. White with yellow ring. **Pkt., 5c.**

2604 Tricolor, mixed, H. A., 18-inch. Bright and effective colors. **Pkt., 5c.**

Showy Annuals—Continued



2662 *Dimorphotheca*,
Aurantiaca hybrid, H. A.,
15-inch. African
Orange Daisy. Pkt., 10c.



2620 *Convolvulus*, Minor, mixed, H. A.,
12-inch. Dwarf Morning Glory. Pkt., 5c.



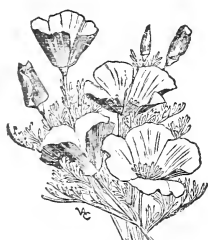
COSMOS

2623 *Cosmea*, *bipinnata*, Empress, mixed,
H. H. A., 42-inch. Pkt., 5c.

2624 *Cosmea*, Mammoth Giant, mixed,
H. H. A., 42-inch. Pkt., 5c.

2625 *Cosmea*, Lady Lennox, H. H. A., 42-
inch. Giant Orchid flowering. Pkt., 10c.

Cosmos do particularly well in the
Northwest; their feathery foliage add to
their charm.



Eschscholtzia or Cali-
fornia Poppies do splen-
didly in the Northwest,
scattered thinly in the
border; will produce an
abundance of beautiful
flowers all summer.

H. A., 12-inch

2679, *Californica*, Pkt.,
5c.

2680, *erecta*, compacta.
Rose Queen, Pkt., 5c.

2681, Mandarin, Pkt., 10c.

2682, Rose Cardinal, Pkt., 10c.

2683, *Crocea*, Pkt., 10c.

2684, Golden West, Pkt., 10c.

2685, mixed, Pkt., 5c.

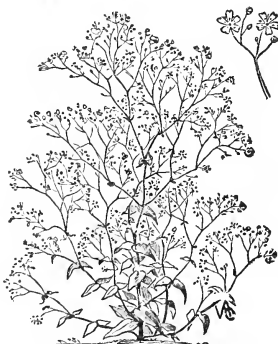


2678 *Erysimum*, *Peroffskianum*, H. A.,
18-inch, Bright Orange. Very fragrant.
Pkt., 5c.

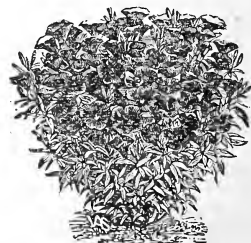


2689 *Gaillardia*, *picta*,
Blanket Flower, H. A., 12-
inch. Yellow and Scarlet.
Pkt., 10c.

2690 *Gaillardia*, *Lorenziana*,
H. A., 12-inch. Red and Yel-
low. Pkt., 10c.



2714 *Gypsophila*, *elegans*,
alba, H. A., 18-inch. Known
as Baby's breath. Pkt., 5c.



Nothing can equal the
Godetia for quickly produc-
ing a blaze of flowers. Our
selection will give a mag-
nificent display.

2703 Lady Albemaree.
H. A., 12 inch. Pkt., 5c.

2704 Lady Satin Rose,
H. A., 12 inch. Pkt., 5c.

2705 Mixed Tall Varieties,
H. A., 18-inch. Pkt., 5c.

2706 Dwarf Varieties,
H. A., 12-inch. Pkt., 5c.

Showy Annuals—Continued



2730 *Helianthus, globosus, fistulosus*, H. A., 72 inch. Lemon color, intensely double quilled. Pkt., 10c.

2728 *Californicus, double*, H. A., 60-inch. Tall double Golden Yellow. Pkt., 10c.

2729 *Cucumerifolius Stella*, H. A., 36-inch. Miniature star-shaped single flower. Pkt., 10c.

2731 New Red or *Gaillardia* flowered. Rich chestnut red color. H. A., 60-inch. Pkt., 10c.



2782 *Limnanthes, Douglasii* fragrant, H. A., 6-inch. Beautiful perfume; early. Splendid for bees. Pkt., 5c.

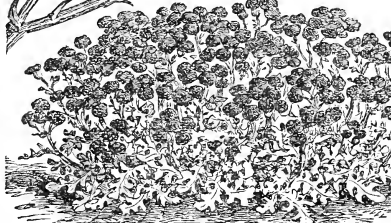


2780 *Lavatera, trimestris*, white, H. A., 36-inch. Pkt., 10c.

2781 *Lavatera, trimestris*, red, H. A., 36-inch. Pkt., 10c. Handsome profuse flowering.



2765 *Jacobaea*, dwarf double mixed, H. A., 20-inch. Beautiful double flowers, useful for cutting. Pkt., 10c.



2823 *Matricaria, Eximia*, double white, H. A., 12-inch. Pkt., 10c.

2824 *Nana Golden Ball*, double, H. A., 12-inch. Pkt., 10c.

Beautiful daisy-like flowers; form nice shaped bushy plants.



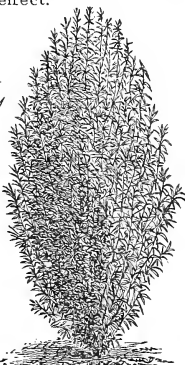
2776 *Larkspur*, tall branching mixed, H. A., 12-inch. Pkt., 5c.

2777 *Larkspur*, double tall rocket mixed. Pkt., 5c.

2778 *Larkspur*, dwarf hyacinth flowered, H. A., 12-inch. Pkt., 5c. Beautiful annuals, succeed anywhere and give charming effect.



2767 *Kochia, tricophylla* (Summer Cypress), H. A., 24-inch. The Mexican Fire Bush; beautiful foliage. Pkt., 5c.



2733 *Helichrysum*, mons, double mixed, H. A., 18-inch. Useful everlasting. Pkt., 5c.



2822 *Matthiola*, bicorns (Evening Scented Stock), H. A., 12-inch. Emits an exquisite perfume after sundown. Pkt., 5c.



2784 *Linaria, reticulata*, H. A., 12-inch. Dark violet. Pkt., 5c.

2813 *Malope, grandiflora*, H. A., 24-inch. Old fashioned Scarlet Mallow. Pkt., 5c.

Showy Annuals—Continued



2786 *Linum, grandiflorum*
rubrum H. A. 18-inch. Old
fashioned Scarlet Flax. Pkt.,
5c.



2827 *Mesembryanthemum*,
Crystallinum H. H. A., 3-inch.
Ice Plant, easily grown; most
interesting. Pkt., 5c.



2821 *Marvel of Peru* (Four
O'Clock), H. A., 30-inch. Easily
grown; very showy. Pkt., 5c.



Mignonette

Our strains of the old fashioned Mignonette are very fine, large flowers, and deliciously scented. Goliath and Machet varieties are splendid for indoor culture in pots, as well as outdoor use.

H. A., 12-inch

2828 Large flowering.
Pkt., 5c.

2829 Golden Queen.
Pkt., 10c.

2830 Goliath. Pkt., 10c.

2831 Machet. Pkt., 10c.

Nasturtium

Our selection of Nasturtiums will be found to contain a very choice assortment of colors. The dwarf varieties are splendid for edgings or borders, and the tall, for covering unsightly corners or trellises. See also Hardy Annual Climbers for Tall varieties.

Tom Thumb, H. A.,
12-inch each. Pkt.,
5c.

2850 Aurora, Rosy
Apricot.

2851 Emp. of India,
Crimson Scarlet.

2853 King Theodore,
Dark Foliage.

2854 Queen, Ma-
roon, Crimson varie-
gated leaves.

2856 Mixed, Choice
Selection.



2901 *Phlox, Drum, grandiflora*. Mixed, H. H.
A., 12-inch. Pkt., 5c.

2902 *Nana compacta, coccinea*, H. H. A., 6-
inch. Pkt., 5c.

2904 *Snowball*, H. H. A., 6-inch. Pkt., 5c.

2905 Mixed, H. H. A., 6-inch. Pkt., 5c.

Very pretty annuals, blooming the whole season through; very useful for house decoration; last a long time when cut.



2864 *Nemphila, insignis*, Bright Blue, H. A.,
6-inch. Old fashioned edging plant. Pkt., 10c.



Marigold

H. H. A. Each pkt. 10c

Our strains of Marigolds are exceptionally fine; will produce a large percentage of double flowers of exquisite colors, quite distinct from almost anything else you can grow in the garden.

2814 African Orange,
24-inch.

2815 African Lemon.
24-inch.

2816 French Mixed.
18-inch.

2817 French Dwarf
Mixed. 6-inch.

2818 French Gold
Striped Selected. 18-
inch.

2819 French Legion of
Honor. 6-inch.

2861 *Nemesia*,
Compacta, Blue Gem
H. H. A., 12-inch.
2862 *Compacta*,
White Gem H. H. A.,
12-inch.

2863 *Strumosa*
Nana Compacta H.
H. A., 12-inch. Splen-
did plants for pots
or borders.

Charming bushy
plants for border;
beautifully butterfly
flowers, each pkt.,
10c.

2865 *Nicotiana, Af-*
finis, Pure White H.
H. A., 36-inch. Pkt.,
10c.

2866 *Afinis, Hy-*
drids. Mixed H. H.
A., 36-inch. Pkt., 10c.

The flowering To-
bacco Plant; very
fragrant and beauti-
ful.

Showy Annuals—Continued



POPPY

2911 Danish Flag. H. A. 24-inch. Single flowered. White with red band. Pkt., 10c.

2908 Carnation, flowered. Mixed. H. A. 24-inch. Choice double flowers. Pkt., 5c.

2909 Ranunculus, flowered. H. A. 24-inch. Sometimes called the French poppy. Beautiful. Pkt., 5c.

2912 Japanese Pompon, mixed. H. A. 24-inch. Small; double; perfectly formed flowers. Pkt., 5c.

2914 The Shirley, mixed colors. H. A. 24-inch. An exquisite strain of this chaste flower. Pkt., 5c.



2938 Ricinus Gibsonii. H. H. A. 60-inch. Pkt., 5c.

2939 Sanguineus. H. H. A. 60-inch. Pkt., 5c.

2940 Zanzibariensis, mixed. H. H. A. 60-inch. Pkt., 5c.

The beautiful large colored leaves produce a nice effect. Popularly known as Castor Oil plant.



2894 Perilla, Nankinensis. H. H. A. 18-inch. Beautiful wine colored foliage. Pkt., 10c.

2868 Nigella, damascena, double. H. A. 18-inch. Pkt., 5c.

2869 Miss Jekyll, azure blue. H. A. 18-inch. Pkt., 5c.

2870 Hispanica. H. A. 18-inch. Pkt., 5c.

Love-in-a-mist; curious and interesting plants, splendid for mixing with California Poppy and Godetia.



2941 Rudbeckia, bicolor superba hybrida. Produces deep golden flowers. H. A. 24-inch. Pkt., 10c.

Showy Annuals—Continued



2916 Portulaca grandiflora, large single flowers. H. H. A. 6-inch. **Pkt., 5c.**



2917 Portulaca grandiflora, double mixed. H. H. A. 6-inch. **Pkt., 10c.**

Hot sun or drying winds do not affect.



2937 Rhodanthe Manglesii, rose. H. H. A. 12-inch, useful everlastings. **5c.**

3035 Zea Japonica, variegata. H. A. 48-inch. Leaves beautifully striped. **Pkt., 10c.**

3023 Wallflower, annual. Single mixed. H. A. 12-inch. Can be grown like other annuals. **Pkt., 10c.**



2952 Salpiglossis grandiflora, mixed. H. H. A. 24-inch. One of our most beautiful annuals. **Pkt., 10c.**

Stocks

Our stocks are saved from one of the finest strains in Europe, and will delight and satisfy you.

2970 Dwarf, large flowering, ten week, white. H. H. A. 12-inch. **Pkt., 10c.**

2971 Flesh pink. H. H. A. 12-inch. **Pkt., 10c.**

2972 Crimson. H. H. A. 12-inch. **Pkt., 10c.**

2973 Violet. H. H. A. 12-inch. **Pkt., 10c.**

2974 Mixed. H. H. A. 12-inch. **Pkt., 10c.**

2975 Princess Alice. H. H. A. 12-inch. Pearly white, very early. **Pkt., 10c.**



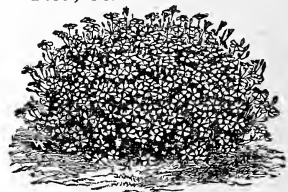
3026 Zinnia elegans, double. Mixed. H. H. A. 24-inch. **Pkt., 10c.**

3033 Elegans, Liliput. Mixed. H. H. A. 12-inch. **Pkt., 10c.**

Zinnias do exceptionally well in the Northwest. Our strains are magnificent. By planting the large at the back and smaller in front, a grand show can be had.



2963 Silene pendula, compacta, pink. H. A. 6-inch. Charming for edging or rockeries. **Pkt., 5c.**



2993 Tagetes signata, pumila. Yellow. H. H. A. 6-inch. A gem for edging or pots. **Pkt., 5c.**



3015 Virginian Stock. Mixed. H. A. 9-inch. Very useful for edging. **Pkt., 5c.**

2960 Schizanthus papilionaceus. H. A. 18-inch. Lilac and white spotted. **Pkt., 10c.**

2961 Wisetonensis. H. H. A. 18-inch. Valuable as a house plant. **Pkt., 10c.**

2980 Sweet Sultan, purple. H. A. 24-inch. **Pkt., 5c.**

2981 White. H. A. 24-inch. **Pkt., 5c.**

2982 Yellow. H. A. 24-inch. **Pkt., 5c.**

2983 Mixed. H. A. 24-inch. **Pkt., 5c.**

Graceful feathery flowers. One of the most useful annuals for cut flower decorations.

Hardy Annual Climbers

Easily raised from seed.

May be either sown in pots or boxes and transplanted, or if preferred, may be sown in the open ground where they are intended to flower. Gourds are easily grown and very interesting.



2621 — Convolvulus —
Major, mixed. Tall Morning
Glory. Pkt., 5c.

Gourds—Ornamental

2707—Hercules Club
Fruit grows 3 to 4 feet
long. Pkt., 5c.

2708—Powder Horn.
Very interesting Gourd.
Pkt., 5c.

2709—Bottle, the orig-
inal Thermos. Used by
pilgrims in the East. Pkt.,
5c.

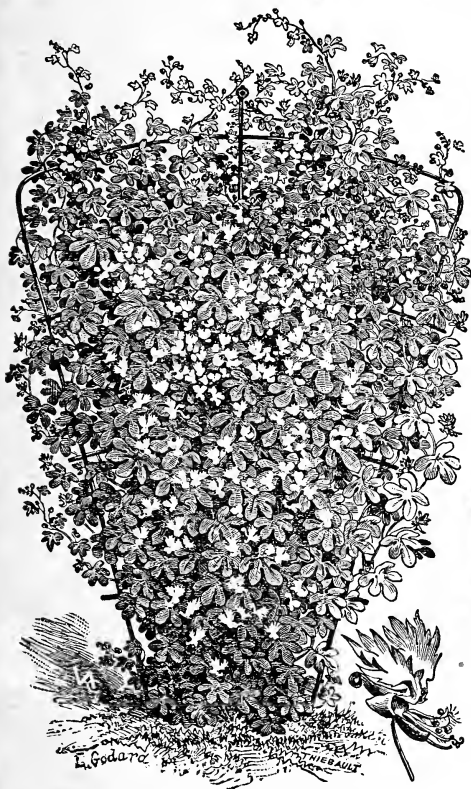
2710—Dipper. Makes
really an excellent dipper.
Pkt., 5c.

2711—Dishcloth. Fruit
makes a dishcloth, always
sweet. Pkt., 5c.

2712 — Egg-shaped,
white. Fruit may be used
as nest egg. Pkt., 5c.



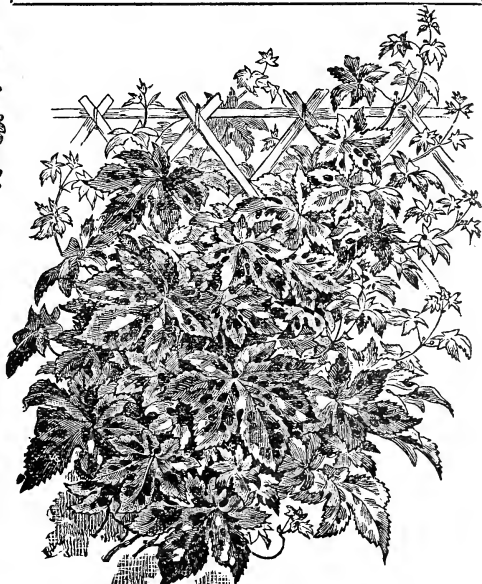
2663 Dolichos — Lablab,
mixed. Hyacinth Bean,
very pretty. Pkt., 5c.



2996 Tropaeolum, canariense—The Ca-
nary Bird Flower. Pkt., 5c.

2674 Echinocystis—Wild Cucumber.
Splendid for verandahs. Pkt., 5c.

2860 Nasturtium—Tall, mixed. Fine for
trellis or covering unsightly corners.
Pkt., 5c.



2740 Humulus—Japonicus, Japanese
Hop. A very rapid growing climber.
Pkt., 5c.

2741—Variegated. Fine silver striped
leaves. Pkt., 10c.

Hardy Perennials and Biennials Easily Raised From Seed

Those marked "H. P." are perennials and "H. B." biennials. Both can be treated in the same way. May be sown in the Spring indoors and transplanted. If this method is adopted will be in bloom the first year. They may be also sown in June or July out of doors and will remain out all winter if given slight covering and can be transplanted to their flowering quarters in the spring.



2502 Achillea, ptarmica, fl. pl. The Pearl, H. P., 18-inch. Double White, splendid for cutting. Pkt., 10c.

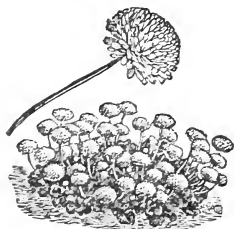


2514 Alyssum saxatile compactum, H. P., 6-inch. Golden Alyssum A-1 rock plant. Pkt., 10c.

2523 Aquilegia, new single hybrids, H. P., 24-inch. Columbine, magnificent spurs. Pkt., 10c.

2524 Aquilegia, mixed, double, H. P., 24-inch. Very beautiful colors. Pkt., 10c.

2525 Arabis, Alpina (Mountain Snow), H. P., 6-inch. Beautiful white flower. Pkt., 10c.



2561 Bellis Perennis, mons, double, mixed, H. P., 6-inch. Double Daisies; sow early. Pkt., 10c.



2588 Carnation, Riviera Market, H. P., 24-inch. Pkt., 15c.

Beautiful double flowers, extra early, free blooming, flower six months after sown.

2589 Carnation, Grenadin, double, H. P., 18-inch. Pkt., 10c.

2590 Carnation, Chabaud's or Earliest French, H. P., 24-inch. Pkt., 15c.

2591 Carnation, Margarita Semi Dwarf, mixed, H. P., 9-inch. Pkt., 10c.

Sown indoors in February will bloom in August.

2520 Antirrhinum, majus, mixed, H. P., 24-inch. Pkt., 10c.

2521 Antirrhinum, majus, dwarf, mixed, H. P., 12-inch. Pkt., 10c.

2522 Antirrhinum, majus, Tom Thumb, mixed, H. P., 6-inch. Pkt., 10c. Three of the very finest types and strains of the old fashioned Snapdragon, everyone should grow these.



2597 Cerastium, tomentosum, H. P., 6-inch. Silvery foliage; fine for ribbon. Pkt., 10c.

2605 Chrysanthemum, maximum, King Edward VII, H. P., 18-inch. Grand for cutting and borders the "White Marguerite." Pkt., 10c.



2584 Canterbury Bells, single mixed, H. P., 30-inch. The old fashioned single. Pkt., 10c.

2585 Canterbury Bells, double, mixed, H. P., 30-inch. The old fashioned double. Pkt., 10c.

2586 Calycanthema, H. B., 30-inch. Cup and saucer variety. Pkt., 10c.



2548 Auricula, Alpine, mixed, H. P., 6-inch. Grand border strain. Pkt., 10c.



2652 Delphinium, grand, single, mixed, H. P., 36-inch. A stately border plant. Pkt., 10c.

Hardy Perennials and Biennials Continued



2653 *Dianthus Chinensis*, double, mixed. H. B. 12-inch. Pkt., 5c.

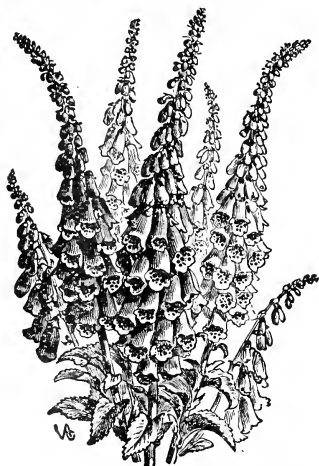
2656 *Dianthus Hedewigii*, H. B. 12-inch. Pkt., 5c.

2660 *Dianthus Plumaris*, single garden pink. H. P. 12-inch. The old-fashioned perennial pink. Pkt., 10c.

Dianthus or Indian Pinks may be treated as Hardy Annuals if sown early out of doors, will bloom early, splendid for borders and cut flowers for the house; delicate perfume.



2737 *Hollyhock*, double. Choice colors. H. P. 72-inch. Sow early; will bloom first year. Pkt., 10c.



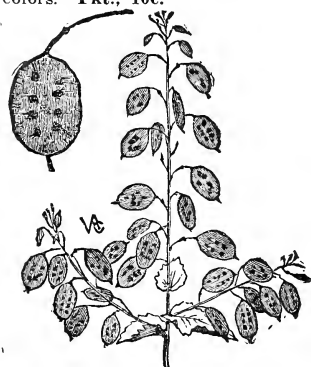
2661 *Digitalis montrosa*, Giant foxglove. H. P. 36-inch. Magnificent strain; fine colors. Pkt., 10c.



2732 *Helianthus rigidus* (Perennial Sunflower). H. P. 72-inch. Small, single, star-shaped flower. Pkt., 10c.



2676 *Gnaphalium Leontopodium*, H. P. 6-inch. Swiss Edelweiss. Pkt., 10c.



2738 *Honesty*, mixed. H. B. 36-inch. The silvery seed pods are very pretty. Pkt., 10c.



2795 *Lupinus, polyphyllus*, H. P. 36-inch. Stately spikes of blue flowers. Pkt., 10c.



2752 *Iberis, sempervirens*, white. H. P. 6-inch. Perennial candytuft. Pkt., 10c.



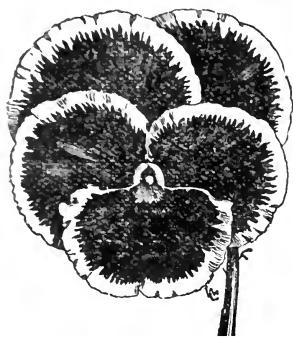
2842 *Myosotis, dissitiflora*, Perfection, blue. H. P. 6-inch. Pkt., 10c.

2843 *Myosotis, palustris*, blue. H. P. 6-inch. Pkt., 10c.

The old fashioned Forget-Me-Nots are favorites with everyone. If sown in the spring and potted up in the fall, will bloom indoors all winter. Sown in June will bloom early following spring.

Flowers Are a Never Ending Source of Delight

Hardy Perennials and Biennials—Continued



2881 Pansy, Bugnot's Giant, H. P., 6 inch. Beautiful large flowers. **Pkt., 10c.**

2887 Mixed colors, H. P., 6 in. Fine for general use. **Pkt., 5c.**

2888 Trimardeau, Giant, Mixed, H. P., 6 inch. Superb strain; enormous flowers. **Pkt., 10c.**



2893 Pentstemon, large flowered of hybrids, H. P., 18 inch. Will bloom first year from seed. **Pkt., 10c.**

All plants on this page will live for years if properly cared for. Need very little attention.



2956 Scabiosa, Caucasica Blue, H. P., 36 inch. **Pkt., 10c.**

2957, Caucasica alba, white, H. P., 36 inch. **Pkt., 10c.**

2959, Double large flowered, Mixed, H. P., 12 inch. Very handsome plants for perennial border. Sown early will bloom first year. **Pkt., 10c.**



2925 Pyrethrum, roseum hybridum, Single, H. P., 24 inch. Beautiful Marguerite like flowers. **Pkt., 10c.**

2926 Pyrethrum, roseum hybridum, Double, H. P., 24 inch. Splendid for early cut flowers. **Pkt., 10c.**

2924 Pyrethrum, aureum (Golden Feather), H. P., 6 inch. Beautiful plant for edging. **Pkt., 10c.**

2889 Papaver, bracteatum, Scarlet, H. P., 36 inch. The true perennial Scarlet Poppy. **Pkt., 10c.**

2890 Papaver, nudicaule, Single, Mixed, H. P., 12 inch. The popular Iceland Poppy. **Pkt., 10c.**

2891 Papaver, Orientale, brilliant colors, Pkt., 10c.

3013 Viola, Tufted, or bedding varieties, Mixed, H. P., 6 inch. Sown early will bloom first year. **Pkt., 10c.**

3014 Viola, odorata, Mixed, Sweet Violet, H. P., 6 inch. Choice mixture of best sorts. **Pkt., 10c.**

3020 Wallflower, Choice Double Dwarf, Mixed, H. P., 12 inch. **Pkt., 10c.**

3029 Wallflower, Choice Single Dwarf, Mixed, H. P., 12 inch. **Pkt., 10c.**

If sown in July and given slight protection to hold the snow, will bloom early, in spring.



2984 Sweet William auricula eyed, H. P., 18 inch. Splendid for cutting. **Pkt., 10c.**

2964 Shamrock, True Irish Variety, H. P., 6 inch. Sow this for St. Patrick's Day. **Pkt., 10c.**

2976 Stock, Brompton, Mixed, H. P., 6 inch. Sown early will bloom outdoors. **Pkt., 10c.**

Half Hardy Perennials Easily raised from seed

They should be sown indoors and transplanted into the open ground when weather is favorable and should be lifted in the Fall if it is intended to save them during the Winter. Some of these may also be treated as house plants. For instance, *Mimulus moschatus*, the old-fashioned Musk. *Petunias* may be also treated as house plants or may grow in the same manner as half hardy annuals. **Half hardy climbers** (H. H. C.) may be treated in the same way as half hardy perennials (H. H. P.).



2645 **Dahlia**, single, large flowered. H. H. P. 48-inch. Pkt., 10c.



2646 **Dahlia**, choicest double. H. H. P. 48-inch. Pkt., 10c.



2775 **Lantana**, new dwarf compact hybrids. H. H. P. 9-inch. Splendid pot plant; bloom outdoors all summer. Pkt., 10c.



2837 **Mimulus**, *Tigrinus*, tigered and spotted. H. H. P. 6-inch. Giant Musk or Monkey Flower. Pkt., 10c.

2836 **Moschatus** (Musk). H. H. P. 6-inch. Old fashioned sweet scented Musk. Pkt., 10c.



LOBELIA

2790 **Alba White**. H. H. P. 3-inch. Well known edging plant. Pkt., 10c.

2791 **Speciosa Crystal Palace**. H. H. P. 3-inch. Makes a nice pot plant. Pkt., 10c.

2792 **Tenuior**, intense blue. H. H. P. 9-inch. Lovely for pots or hanging baskets. Pkt., 10c.

Petunia

Nothing beats *Petunias* for giving a splendid show. They can be treated as Annuals, or if lifted and potted in the Fall, will keep all Winter and bloom in early Spring.

2895 **Giants of California Mixed**. H. H. P. 24-inch. Pkt., 10c.

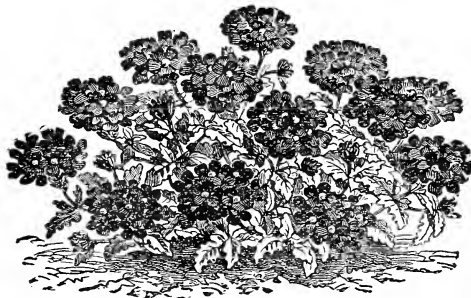
2898 **Hybrida**, mixed. H. H. P. 24-inch. Pkt., 10c.

2899 **Hybrida grandiflora fringed**, mixed. H. H. P. 24-inch. Pkt., 10c.

2900 **Hybrida grandiflora**, double fringed. Mixed. H. H. P. 24-inch. Pkt., 25c.



2742 **Hunnemannia**, *fumariaefolia*. H. H. P. 24-inch. Makes a nice pot plant. Pkt., 10c.



3009 **Verbena**, hybrida, mammoth mixed. H. H. P. 6-inch. Enormous flowers; colors fine. Pkt., 10c.

3012 **Verbena Venosa**, purple and heliotrope. H. H. P. 12-inch. House or greenhouse; easily grown. Pkt., 25c.

2755 **Japanese Morning Glory**, *Ipomoea*, Imperial Japanese. H. H. C. 96-inch. These morning glories, if given protection from wind, will bloom beautifully all Summer long. Pkt., 10c.

Plants Suitable for Decoration Easily raised from seed

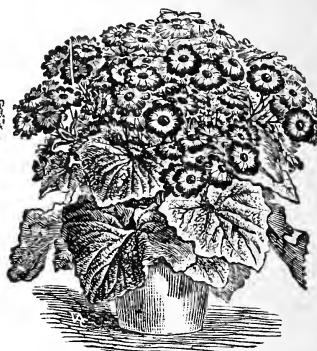
Those marked "G. P." are perennials and "G. A." are annuals. They are easily raised from seed, should be sown indoors in small pots and when the plants are large enough to handle, transplanted into small pots singly and potted along into larger pots as they develop.



2566 Calceolaria, choice strain. G. A. 18-inch. Spotted, blotched and self colored. **Pkt., 25c.**



2734 Heliotropium, largest flowering giant mixed. G. P. 24-inch. Heliotrope or Cherry Pie Plant. **Pkt., 10c.**



2607 Cineraria, hybrida grandiflora: G. A. 18-inch. Gorgeous colors. **Pkt., 25c.**



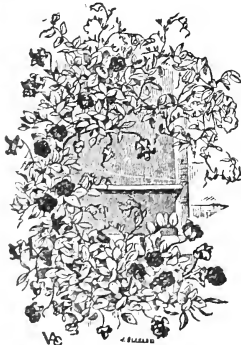
BEAUTIFUL BASKET PLANTS

2527 Asparagus, plumosus nanus. G. P. 18-inch. Asparagus fern. **Pkt., 25c.**

2528 Asparagus, Sprengeri. G. P. 12-inch. Ideal basket plant. **Pkt. 15c.**



2892 Pelargonium, fancy. G. P. 18-inch. Splendid for window and house decoration. **Pkt., 25c.**



2615 Cobaea, scandens. Mixed. H. H. C. Makes a splendid house plant. **Pkt., 10c.**



2979 Streptocarpus, choicest hybrids. G. P. 9-inch. Distinctive; easily grown house plant. **Pkt., 15c.**

2694 Geranium, Zonale, choice, single, mixed. G. P. 18-inch. Easily raised from seed; delightful colors. **Pkt., 25c.**

2695 Geranium, Apple. Scented odoratissima. G. P. 18-inch. Delicious perfume. **Pkt., 25c.**

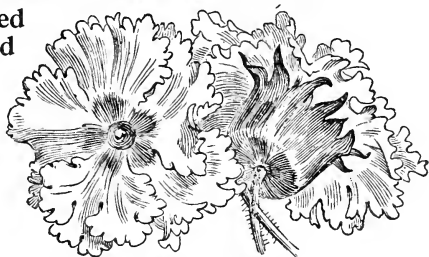
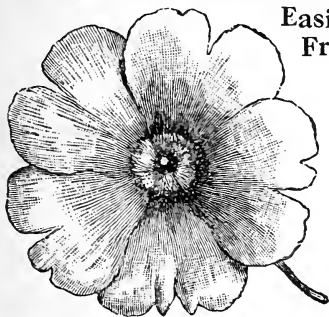
2562 Begonia, tuberous rooted. Beautiful large G. A. 18-inch. Double flowers. Brilliant colors. **Pkt., 15c.**

2686 Eucalyptus, globulus (Blue Gum). G. P. 60-inch. Makes a nice pot plant. Antidote for "flu." **Pkt., 10c.**

2688 Fuchsia, a splendid variety. G. P. 48-inch. Popular house plant. **Pkt., 25c.**

Plants Suitable for Decoration

Easily Raised
From Seed



2921 Primula, obconica grandiflora hybrida. G. P., 12-inch. One of the best window plants. Blooms continually. **Pkt., 15c.**

2922 Primula, sinensis, finest. Mixed. G. P. 6-inch. **Pkt., 25c.**

2923 Primula, sinensis, double. Mixed. G. P. 6-inch. Splendid for winter flowering in the house or greenhouse; easily grown. **Pkt., 25c.**

2713 Grevillea Robusta (fern like). G. P. 36-inch. Beautiful house plant; easily grown from seed. **Pkt., 25c.**

2835 Mimosa, pudica (sensitive plant). G. A. 18-inch. A most interesting plant phenomena. **Pkt., 10c.**

3011 Verbena, lemon scented. G. P. 36-inch. Deliciously perfumed leaves. **Pkt., 15c.**

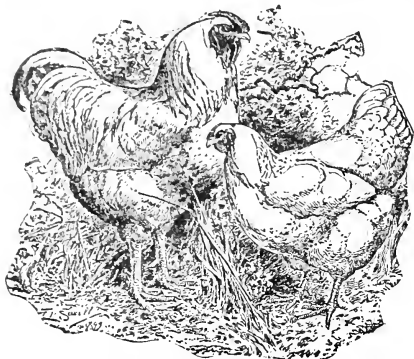


2616 Cockscomb, Glasgow prize. G. A. 12-inch. Beautiful crimson comb. **Pkt., 10c.**



2617 Coleus, mixed (Flame Nettle). G. P. 24-inch. Beautiful foliage plant; fine for window. Pretty, year in and year out. **Pkt., 10c.**

Poultry Supplies and Sundry Requisites For Garden and Farm



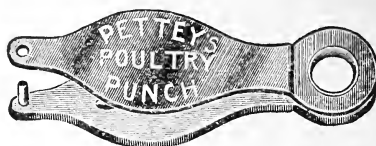
We are headquarters for poultry supplies; also miscellaneous requirements for Farm and Garden. We have not space to give descriptions of our full line. Write us for prices on anything you require. Your inquiry will receive prompt and courteous attention.

BABY CHICK STARTER—A wholesome starting food which will keep chicks healthy and cause them to make rapid growth. Suitable for feeding for the first three weeks. May be given to them as soon as they are 36 hours old. 50 lb. bag, \$2.15; 100 lb. bag, \$4.10.

CHICK FEED—May be fed to chicks after they are three weeks old and contains the proper ingredients balanced in the right proportions to promote rapid growth, and strong healthy chicks. 50 lb. bag, \$2.10; 100 lb. bag, \$4.00.

DISCO LAYING MASH—To obtain the maximum results from your hens they should be fed a mash scientifically prepared to get results. Our mash has been prepared from a formula approved by leading poultry experts and contains only the highest grade ingredients. 50 lbs., \$2.15; 100 lbs., \$4.00.

ALFALFA MEAL—Made from new crop, pea green, kiln-dried hay. May be mixed in with the mash or moistened slightly with hot water and allowed to steam slightly before feeding.



25c each
postpaid

fore feeding. Alfalfa meal is also very useful aside from this as a litter for the brooder or chick pen as it is an excellent absorbent and will not injure the baby chicks if they eat it. 50 lb. bag, \$1.60; 100 lb. bag, \$3.00.

FEED MILLET—50 lb. bag, \$2.60; 100 lb. bag, \$5.00.

CRUSHED OYSTER SHELL—Laying hens require crushed oyster shell for the purpose of encouraging the formation of shells. A hopper with oyster shells should always be within reach, particularly during the winter months or when the poultry are confined, many poultry raisers find it a profitable investment to feed oyster shells the year around. 50 lb. bag, 85c; 100 lb. bag, \$1.50.

GRANULATED BONE—Made from fresh, green bones, which have the moisture, grease, etc., extracted, leaving nothing but phosphate of lime and protein. Medium, 50 lb. bag, \$2.60; 100 lb. bag, \$5.00. Fine, 50 lb. bag, \$2.60; 100 lb. bag, \$5.00.

CHARCOAL—Should be left in a hopper exposed so that poultry will have free access to it at all times. It is one of the best correctives and helps perhaps more than anything else to maintain good health in the flock. Medium, 50 lb. bag, \$2.10; 100 lb. bag, \$4.00. Fine, 50 lb. bag, \$2.10; 100 lb. bag, \$4.00.

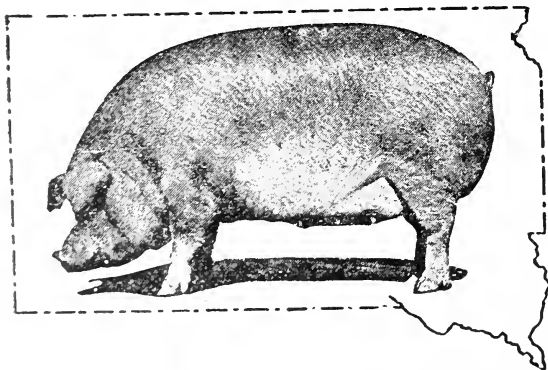
MEAT SCRAPS—Rich in protein, material which makes muscle and lean meat. Finest quality. 50 lb. bag, \$3.10; 100 lb. bag, \$6.00.

FEED SUNFLOWER. 50 lb. bag, \$5.50; 100 lb. bag, \$10.00.

CORN FOR POPPING. Per lb., 5c; per 100 lbs., \$4.50.

BIRD SEEDS—Finest recleaned. Hemp, per lb., 15c; Canary, per lb., 15c; Bird Millet, per lb., 10c; Parrot food, per lb., 10c; Bird Rape, per lb., 20c; DISCO Bird Mixture, per lb., 20c.

INCUBATOR THERMOMETERS, each \$1.00, postpaid.

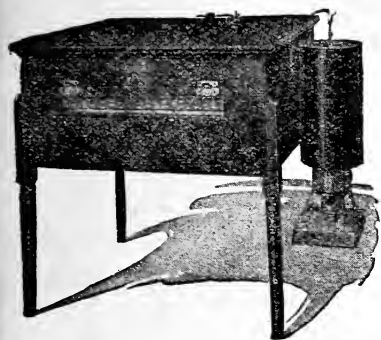


Just as this catalog is going to press we are installing machinery of the latest type for the economical preparation of a Mineralized Protein Hog Feed. This will be made up from a formula approved by the leading scientific and practical hog feeders. The very finest ingredients will be used and our aim is to put it out at the lowest possible figure so that it will be profitable to the user and we look for our profit by increased volume of business. We always carry a stock of Tankage, Oil Meal, and mill feeds of finest quality. Write for prices, stating quantity required.

Above prices are F. O. B. Mitchell, S. D., and subject to market changes.

Profit Makers for Poultry Keepers

In this line we are offering our customers the very best value for their money in machines of the highest quality and usefulness.



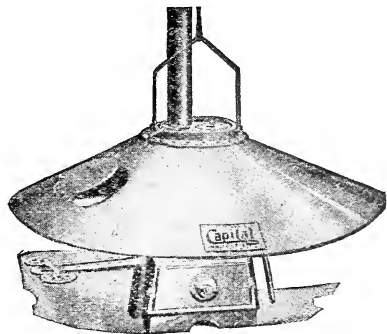
Capital Incubators are easiest, safest and cheapest to operate and get the best results in strong, healthy chicks. They are better built, last longer and are more reliable under all conditions. They have thicker, warmer walls, which protect the eggs against outside temperatures. They are warmed by a surer, safer, more perfect method, the nearest to nature's method, getting the best hatches. They prevent the evaporation of the eggs by their damp sand trays, which supply just the right amount and kind of moisture, so that the chicks are stronger. They ventilate so that there is always pure air around the eggs, without letting in cool air to chill them. They have powerful, heavily insulated heaters that give the most heat from the least oil. Built in two sizes, 150-egg, price \$45.00, and 300-egg, price \$60.00.

Capital No-Waste Feeders save two-thirds of your time, one-fourth of your feed and get better results. These feeders have large capacity, are made of heavy galvanized steel and will last a life time. Unlike other feeders the troughs do not stick out in front to catch dust, dirt and other filth but the feed is fully protected. Keeps the feed clean in the hopper and feeds it into the trough as fast as eaten by the fowls. Thousands in satisfactory use. One bushel size, \$3.00; five bushel, \$12.50.

Capital Giant Water Fountain is the handiest fountain made. Set it or hang it under the pump or faucet and it quickly fills; carry it by the handle to where you want to use it, then tip it on its side and it's ready for use. The water is kept clean and fresh and flows into the drinking trough at one end only as fast as required by the fowls. Made of heavy galvanized steel in the most thorough manner. Five-gallon size, \$2.25; three-gallon, \$1.75.

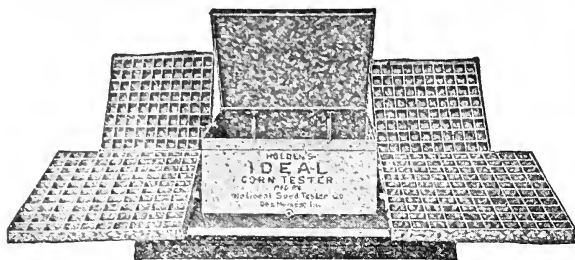
Capital Freeze-Less Fountain, built on the principle of the thermos bottle and keeps water warm in winter and cool in summer. A large part of the hen's body and the egg she lays is water and without a sufficient supply profit is impossible. No lamp or fire, safe and easy to use. Holds three gallons. Price, \$4.00.

The Capital Coal Burning Brooder solves all the problems of safe, sure, cheap and easy brooding of chicks in any number up to 1,200. Has unusually large fire pot that provides plenty of heat with a slow burning fire, thus getting the most warmth for the least coal. Stove is made of strong cast iron with canopy of galvanized steel, is self regulating and easy to operate. Coal can be put in and ashes removed without lifting the canopy, which, however, can be lifted out of the way by ropes and pulleys, furnished with the brooder. One filling with coal lasts from 12 to 48 hours, according to the weather. Price, complete, \$27.00.



Ask for Special Incubator Catalog

Holden's Ideal Corn Tester



No. 1. 200-Ear Box Tester

The Holden's Ideal Tester makes the test with nothing but water so you can see both the sprout and root system and save only the good, strong seed. Throw away not only the dead ears but also all weak seed. It is the only tester that will give you an absolutely accurate test. No wet sand, sawdust or cloth for mold to travel in. Cannot dry out around the edges and spoil part of your test.

TEST YOUR SEED CORN

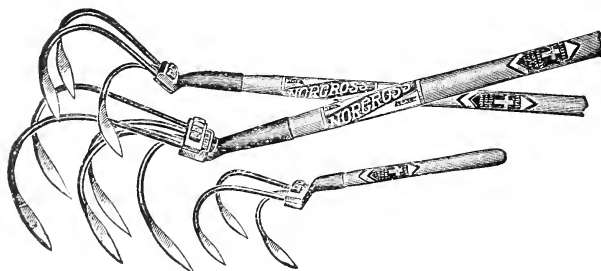
Prices f. o. b. Mitchell, South Dakota, or Des Moines, Iowa:

No. 1. 400 Ear Box Tester	\$12.00
No. 2. 400 Ear Cabinet Tester	20.00
No. 3. 800 Ear Cabinet Tester	32.00

Write for descriptive booklet and learn all about this wonderful Tester.

"Norcross" Cultivators and Weeders

Every Garden Needs One

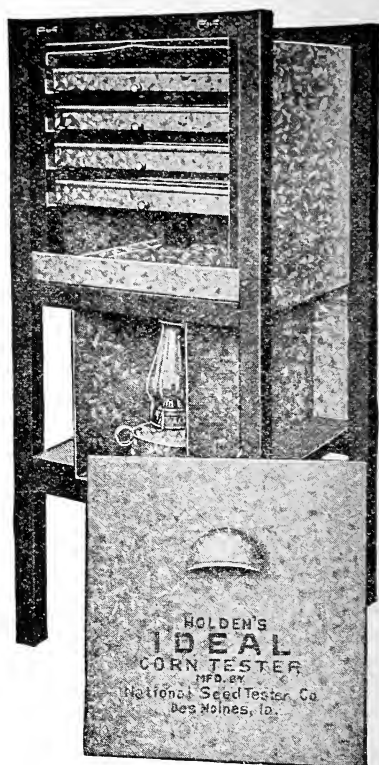


5-Prong, 4 ft. Ash handle (weight 3 lbs.)	\$1.00
3-Prong, 4 ft. Maple handle (weight 2 lbs.) .....	.75
Midget, 9 inch handle (weight 12 oz.) .....	.40

STIM-O-PLANT

Wonderful Fertilizer

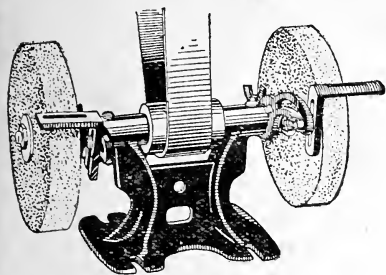
This remarkable plant food and fertilizer is popular everywhere and we recommend it highly. In tablet form, odorless, highly concentrated, immediately effective and economical. Simply insert tablets in soil near plants, or dissolve in water, four tablets to the gallon, and apply as liquid manure. It increases production, heightens color and improves quality of every vegetable, flower, plant, shrub and tree. Complete directions with each package. You will be delighted with Stim-U-Plant. Postpaid: Prices, trial size, 15c; small size, \$25c; 100 tablets, 75c; 1,000, \$3.50.



No. 2. 400-Ear Cabinet Tester

The most modern tools for garden and flowers. The sharp tapering prongs pulverize the soil from 1 to 5 inches deep, leaving it level, loose and untrampled. Works between rows or middle prong can be removed and row straddled. It will accomplish three time the work a hoe will do, with far less labor and better results. It cultivates the soil. Three Sizes, finest materials, attractively finished and especially well constructed.

Only \$7 Buys This Luther Power Grinder



WILL SHARPEN ALL OF YOUR
FARM TOOLS 10 TIMES FASTER
AND MUCH BETTER THAN ON A
BACK-BREAKING GRINDSTONE.
The very grinder that you need.

A very substantial grinder for light work. Will last for many years. You will save its cost many times over in a year. Equipped with two 6x1 $\frac{3}{8}$ " DIMO-GRIT wheels (one coarse and one medium). Two adjustable tool rests. Ask for No. 306.

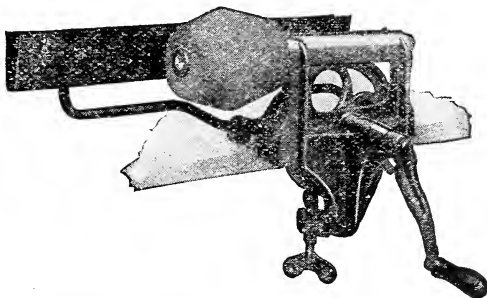
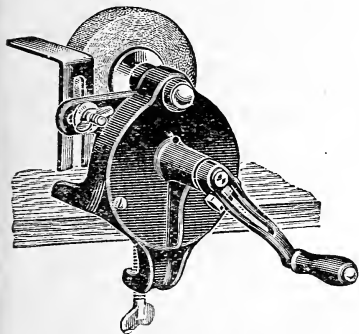
Price only \$7.00, express prepaid.

Sickle Grinder

No. 84

Built especially for the farmer who wants a good sickle grinder at a low price. Has helical gears (like cream separator), ball bearings, and carries a sickle cone 3 $\frac{1}{2}$ x3 $\frac{1}{2}$ ". Equipped with special sickle holding attachment. Ask for No. 84.

Price only \$6.00, express prepaid.



Hand Tool Grinders

This is a well built, low priced line of hand grinders, suitable for general all around use in workshop. Has one-piece case, helical gear and pinion, adjustable tool rest and genuine DIMO-GRIT wheel. Order by number.

No. 24 has 4x1" wheel, \$3.00 postpaid

No. 25 has 5x1" wheel, 3.50 postpaid

No. 26 has 6x1" wheel, 5.00 postpaid

No. 27 has 7x1" wheel, 6.00 postpaid

The CYCLONE Seed Sower

A Very Popular Seeder and Very Extensively Used

Has a national reputation as absolutely the best hand Sower in the market. It is guaranteed to sow perfectly even, all varieties of farm seeds such as clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip, LAWN GRASS, etc., and can be regulated to sow any amount per acre. It is strongly built and is mechanically perfect. The bag holds one-half bushel. Is easily operated. This machine is guaranteed to do satisfactory work and you will be pleased with it. Weight 4 lbs. Price, \$2.00 each. If ordered with seeds value \$10.00 or more, Special Price, \$1.75, postage or express extra.



Alphabetical Index

VEGETABLE SEEDS			Fodder & Sorghum	Celosia	45	Petunia	55
Asparagus	22	Canes	12	Cerastium	52	Phlox	48
Beans	22, 23	Grasses	14	Chrysanthemum	45, 52	Poppy	49
Beans, Lima	23	Great Northern		Cineraria	56	Portulaca	50
Beet, Table	24	Beans	13	Clarkia	45	Primula	57
Broccoli	24	Hog Pasture Mix-		Cobaea	45	Pyrethrum	54
Brussels Sprouts	24	ture	14	Cockscomb	57	Rhodanthe	50
Cabbage	25	Kafir Corn	12	Coleus	57	Ricinus	49
Carrot	26	Kale	20	Convolvulus	46, 51	Rudbeckia	49
Cauliflower	27	Kentucky Blue		Cosmos	46	Salpiglossis	50
Celery	27	Grass	14	Cyanus	45	Scabiosa	54
Corn, Sweet	28	Kohl Rabi	20	Dahlia	45	Schizanthus	50
Cress	30	Lawn Grass	21	Delphinium	52	Silene	50
Cucumber	29	Mangel Wurzel	19	Dianthus	53	Shamrock	54
Egg Plant	30	Meadow Fescue	14	Digitalis	53	Stocks	50, 54
Endive	30	Meadow Mixtures	14	Dimorphothecca	46	Streptocarpus	56
Garlic	35	Milets	12	Dolichos	51	Sweet Peas	42, 43
Herbs	41	Milo Maize	12	Echinocystis	51	Sweet Sultan	50
Kale or Borecole	30	Mixtures	14	Edelweiss	53	Sweet William	54
Kohl Rabi	30	Navy Beans	13	Erysimum	46	Tagetes	50
Lawn Grass	21	Oats	16	Eschscholtzia	46	Tropaeolum	51
Leek	30	Orchard Grass	14	Eucalyptus	56	Virginian Stock	50
Lettuce	31	Peas, Field	13	Fuchsia	56	Verbena	55, 57
Melon	32, 33	Pasture Mixtures	14	Gaillardia	46, 53	Viola	54
Mushroom Spawn	31	Potatoes	14	Geranium	56	Wallflower	50, 54
Musk Melon	32	Perennial Ryegrass	14	Godetia	46	Wild Cucumber	51
Mustard	30	Rape Dwarf Essex	15	Gourds	51	Zinnia	50
Onion	34	Red Top	14	Grevillia	57	Zea	50
Onion Sets	35	Rutabaga	18	Gypsophila	46		
Parsley	35	Ryegrass	14	Helianthus	47, 53	SUNDRIES	
Parsnip	35	Slender Wheat		Helichrysum	47	Alfalfa Meal	58
Peas	36	Grass	14	Heliotropium	56	Birdseeds	58
Pepper	37	Soy Beans	13	Hollyhock	53	Brooders	59
Peanuts	37	Speltz	17	Honesty	53	Charcoal	58
Pumpkin	37	Spring Rye	17	Humulus	51	Corn Testers	60
Radish	38	Sudan Grass	13	Hunneemannia	55	Cyclone Seeders	61
Rhubarb	38	Sugar Beet	20	Iberis	53	Farmogerm	11
Salsify	38	Sunflower	13	Ipomea	55	Feeders	59
Solanberry	39	Swede	18	Jacoea	47	Freezeless Foun-	
Spinach	39	Timothy	14	Kochia	47	tains	59
Squash	40	Timothy & Alsike	14	Lantana	55	Garden Cultivators	60
Strawberry	39	Timothy & Medium		Larkspur	47	Granulated Bone	58
Swede or Rutabaga	41	Red Clover	14	Lavatera	47	Grinders	61
Swiss Chard	41	Western Ryegrass	14	Limnanthes	47	Hafco Mineral Pro-	
Tomato	40			Linaria	47	tein	58
Turnip	41			Linum	48	Hog Feeds	58
Water Cress	30	Abronia	44	Lobelia	55	Humogerm	11
Water Melon	33	Achillea	52	Lupinus	47, 55	Incubators	59
TREE SEEDS	41	Ageratum	44	Lupinus	47	Incubator Thermom-	
		Alyssum	45, 52	Malope	47	eters	58
FIELD SEEDS		Amaranthus	45	Marigold	48	Laying Mash	58
Alfalfa	2, 3, 4, 5	Antirrhinum	52	Marvel of Peru	48	Meat Scraps	58
Barley	17	Aquilegia	52	Matthiola	47	Mill Feeds	58
Beans, Great North-		Arabis	52	Matricaria	47	Mineral Protein	58
ern	13	Asparagus	56	Mesembryanthemum	48	Norcross Cultiva-	
Beans, Navy	13	Aster	44	Mignonette	48	tors	60
Beans, Soy	13	Auricula	52	Mimosa	57	Oil Meal	58
Brome Grass	14	Balsam	45	Mimulus	55	Oyster Shells	58
Buckwheat	20	Bartonia	44	Myosotis	53	Planet Junior	
Canadian Blue		Begonia	56	Nasturtium	48, 51	Tools	
Grass	14	Bellis	52	Nemesia	48	Inside Back Cover	
Canes	12	Brachycome	44	Nemophila	48	Pop Corn	58
Carrot, Field	18	Calceolaria	56	Nicotiana	48	Poultry Foods &	
Clover	10	Calendula	44	Nigella	49	Supplies	58
Corn	6, 7, 8, 9	California Poppy	46	Pansy	54	Seeders	61
Crested Dogtail	14	Calliopsis	45	Papaver	54	Stim-U-Plant	60
English Blue Grass	14	Candy Tuft	45	Pelargonium	56	Sunflower for Feed	58
Feterita	12	Canterbury Bells	52	Pentstemon	54	Tankage	58
Flax	17	Carnation	52	Perilla	49	Water Fountains	59

The *Disco* Guarantee

The DAKOTA IMPROVED SEED COMPANY guarantees the seed it sells to be as represented as to quality and germination. All our seeds are tested and nothing that does not reach a high standard is distributed. In spite of this, we stand ready to replace or refund the money paid for any seeds sent out by us, which upon arrival are not entirely satisfactory. We do not insure a crop from seeds purchased either as to description, productiveness or any other matter, because of the many factors which influence a crop and which are entirely beyond our control. All sales are, therefore, based on the understanding that the liability of the company shall in no case exceed the price paid for the seed.

POSTPAID

Postage paid on all Vegetable and Flower Seeds unless otherwise stated. Orders for Alfalfa, Corn, Grasses and everything else listed in our book if required by parcel post must have postage added.



Date.....1923

Dakota Improved Seed Co., Mitchell, South Dakota.

Gentlemen: Please send the following seeds subject to the guarantee and conditions of sale given in the **DISCO Seed Book**

Name _____

Mr., Mrs. or Miss. Please write distinctly

P. O.

County

State

R. D., P. O. Box or Street No.

By

State here if wanted by freight, express or parcel post

Nearest Railway Station

If different from P. O.

Is there a freight agent at your railroad station?

If there is no freight agent at your shipping point, money must be sent with order to prepay the freight charges

Amount Enclosed

Currency

Bank

Draft

Money

Order

Total

Reserved space for office use

Date _____

Received

Amount

Received

MAIL

|FREIGHT or EXPRESS

No. of
PacketsNo. of
Packages

Date Sent

**Put up
by**

Checked
by

[illegible]

Planet Jr. Farm and Garden Tools

The success of your garden depends on good seeding and thorough cultivation. Both of these operations a Planet Jr. will do in a fraction of the time required by old methods and with a fraction of the labor. By using Planet Jr. tools, half an hour a day of easy work will keep the average home garden producing quantities of fresh vegetables all summer.

No. 4 Planet Jr. Hill and Drill Seeder and Single Wheel Hoe

Price \$18.00

Weight, 50 lbs.
Holds 2½ quarts



Pays for itself in a single season in the family garden as well as in larger acreage. Sows all garden seeds in hills 4, 6, 8, 12 or 24 inches apart or in drills in straight, even rows, at uniform depth. Easily changed to a single wheel hoe which hoes and cultivates easily and thoroughly all through the season.....\$18.00
No. 4-D as a Seeder only.....\$14.50

No. 25 Planet Jr. Hill and Drill Seeder, Single and Double Wheel Hoe

Price \$22.00

Weight, 61 lbs.
Holds 2½ quarts



Has the same sowing device as No. 4 and does the same accurate work. As a wheel hoe it can be used either with one or two wheels. It is intended for gardeners who have a large enough acreage to warrant the use of double wheel hoe but prefer combined seeders and wheel hoes.

No. 3 Planet Jr. Hill and Drill Seeder

Price \$17.50



Weight
43 lbs.
Holds
3 quarts

A favorite tool with onion growers, market gardeners and seedsmen. Has 15-inch steel driving wheel. The V-shaped opening plow is adjustable for depth and leaves the seed in a narrow line permitting close rapid cultivation with wheel hoes. Where acreage is sufficient to warrant the use of separate seeders and wheel hoes we especially recommend this very popular drill.



No. 35 Planet Jr. Seeder Attachment

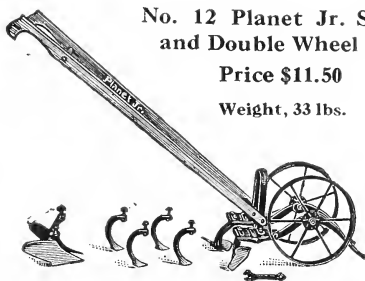
Price \$6.00

The little seeder can be attached to any Planet Jr. single or Double wheel hoe or garden plow and is particularly suitable for the small kitchen garden.

No. 12 Planet Jr. Single and Double Wheel Hoe

Price \$11.50

Weight, 33 lbs.



A double and single wheel hoe in one. Straddles crops till 20 inches high, then can be worked between the rows with one or two wheels. The hoes are wonderful weed killers and leave the ground almost level. Cultivator teeth for deep or shallow work. Plows are invaluable for opening furrows, covering or plowing to or from the crop.

No. 17 Planet Jr. Single Wheel Hoe

Price \$7.75

Weight, 24 lbs.



The highest type of single wheel hoe made. Light and durable—can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest and quickest way. Strong indestructible steel frame. High, easy running steel wheel. They take the drudgery out of garden work and give bigger, better crops.

No. 119 Planet Jr. Garden Plow and Cultivator

Price \$5.00

Weight, 16½ lbs.



This tool will appeal to those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared the high wheel undoubtedly makes an easy running tool.

Disco